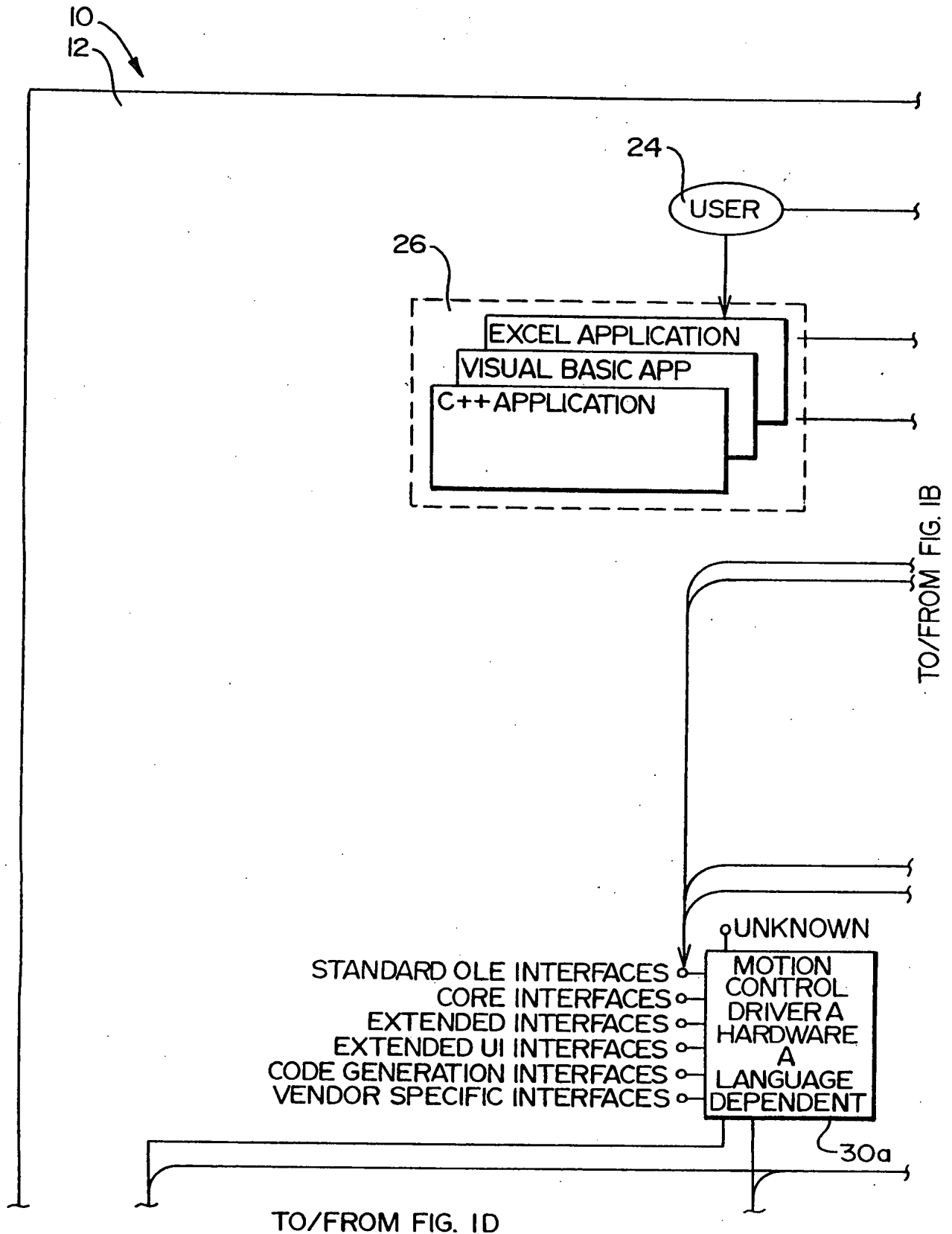




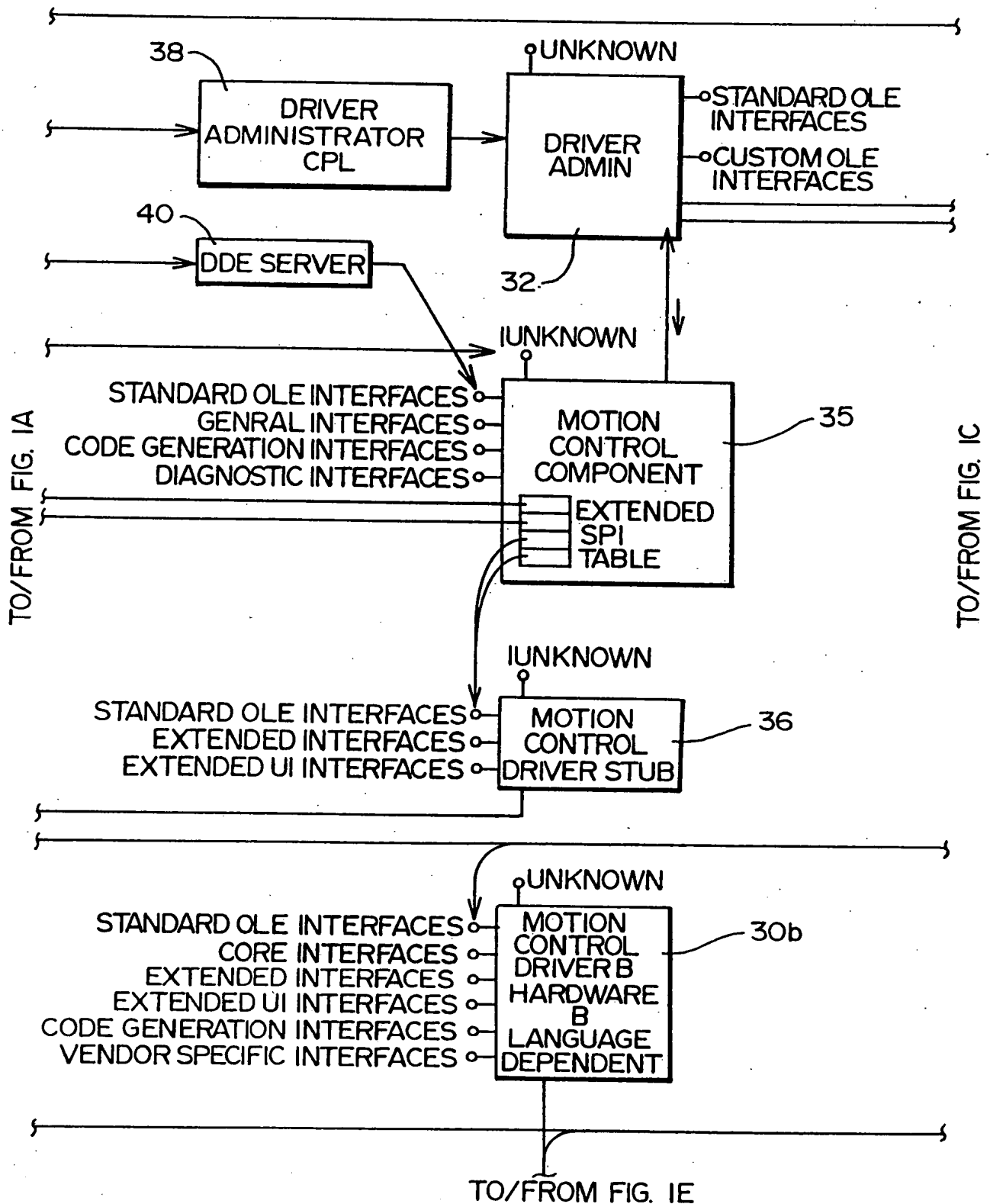
1/55

FIG. 1A



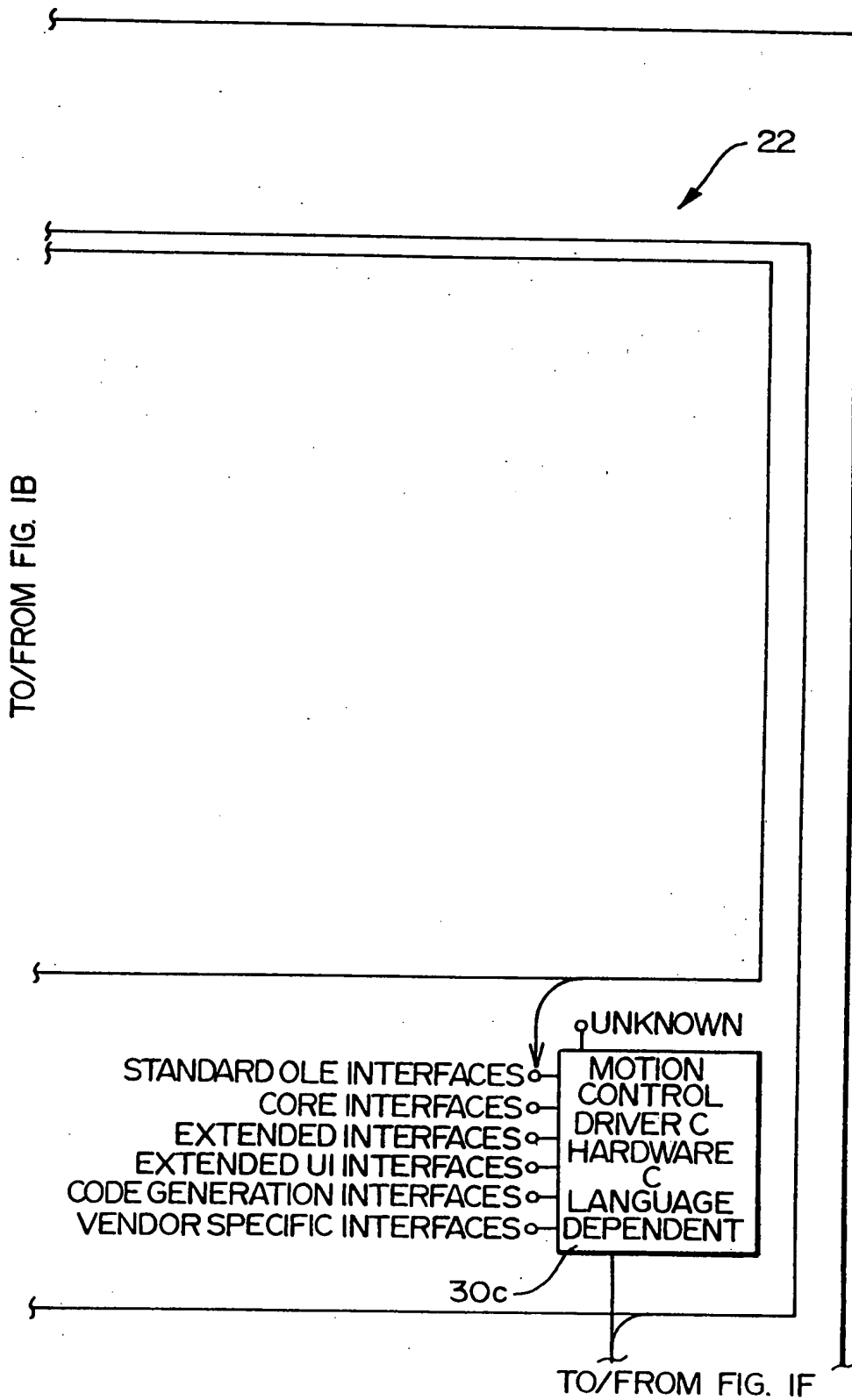
2/55

FIG. 1B



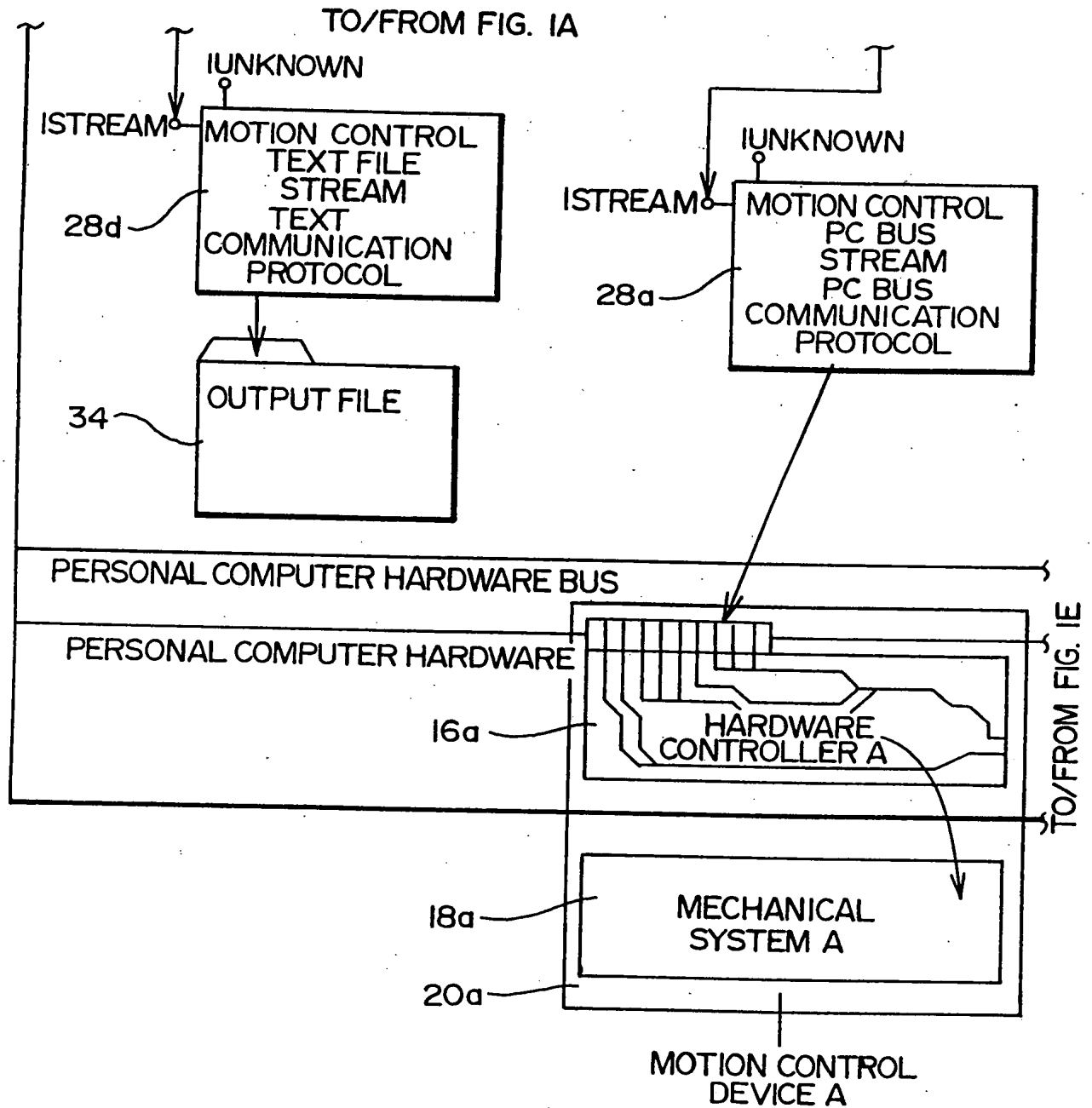
3/55

FIG. 1C



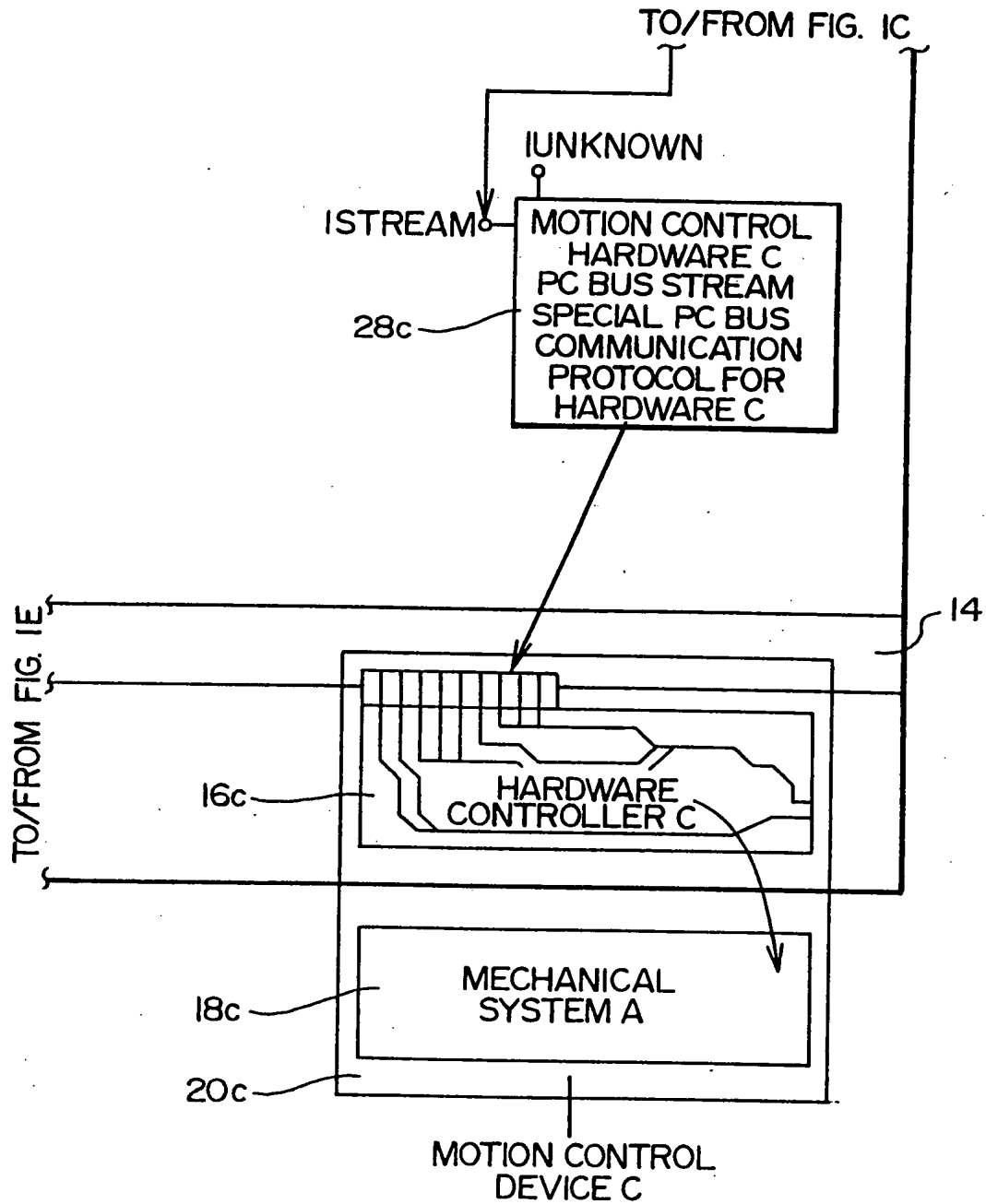
4/55

FIG. 1D



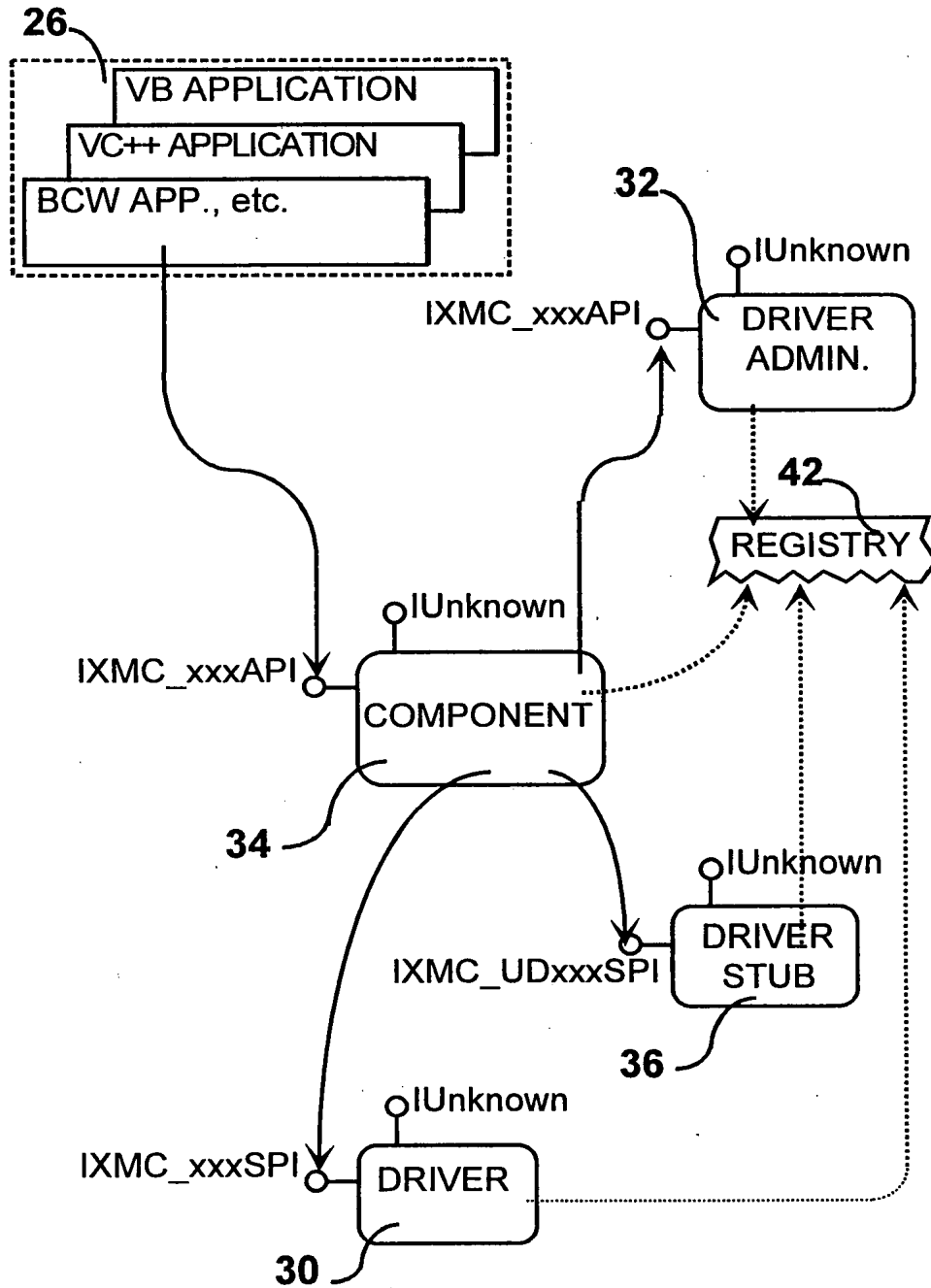
6/55

FIG. 1F

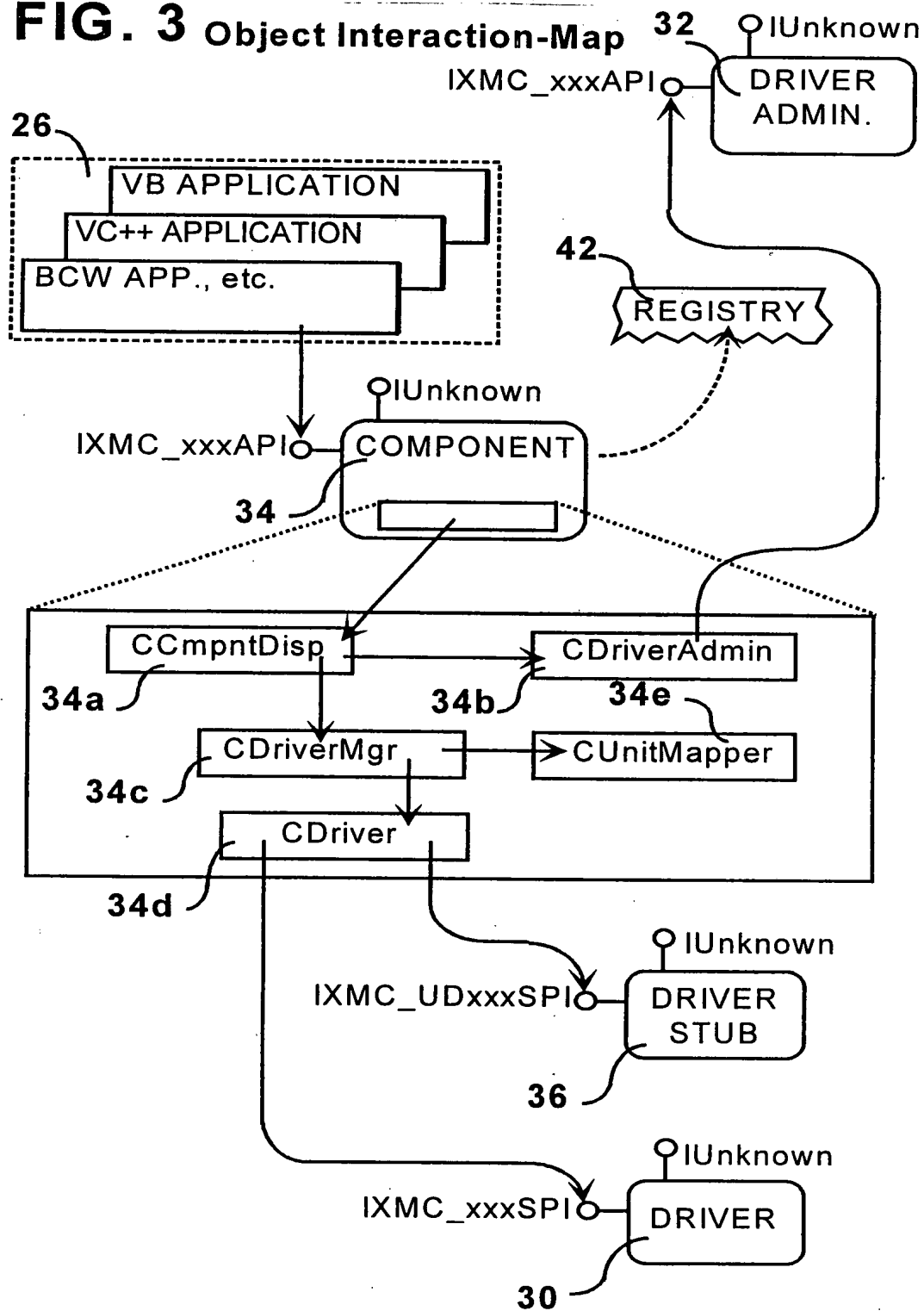


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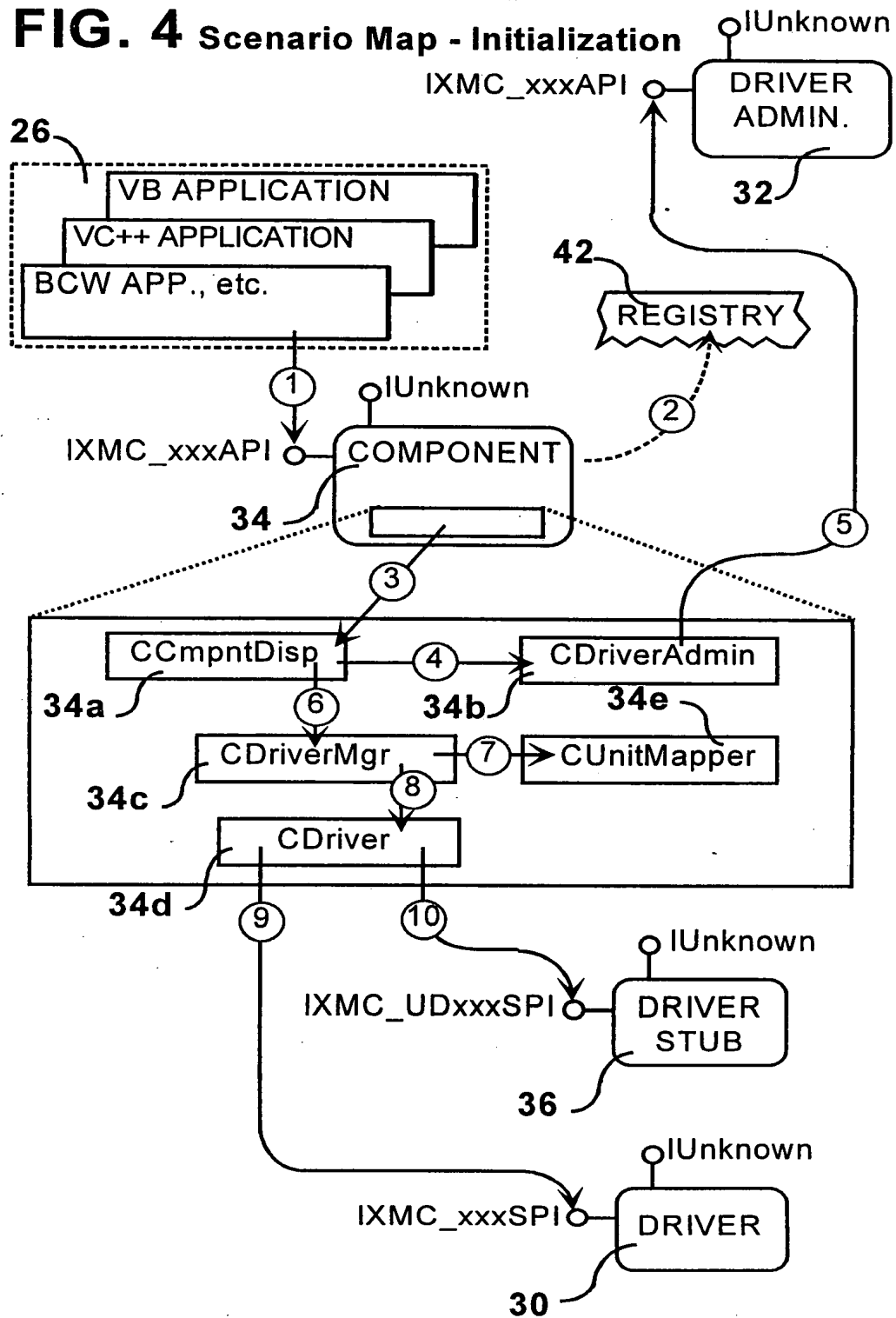
FIG. 2 Module Interaction-Map



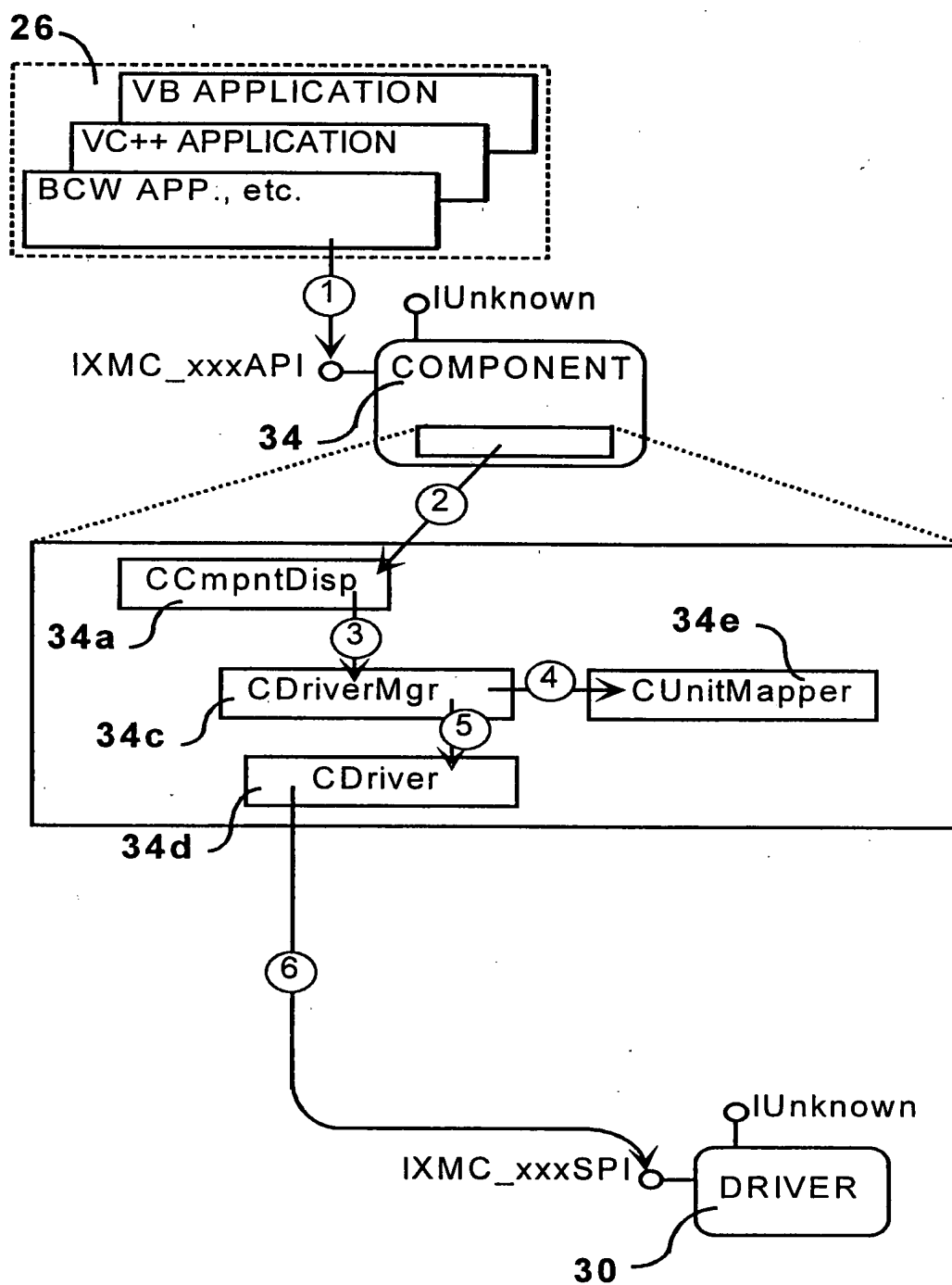
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FIG. 3 Object Interaction-Map

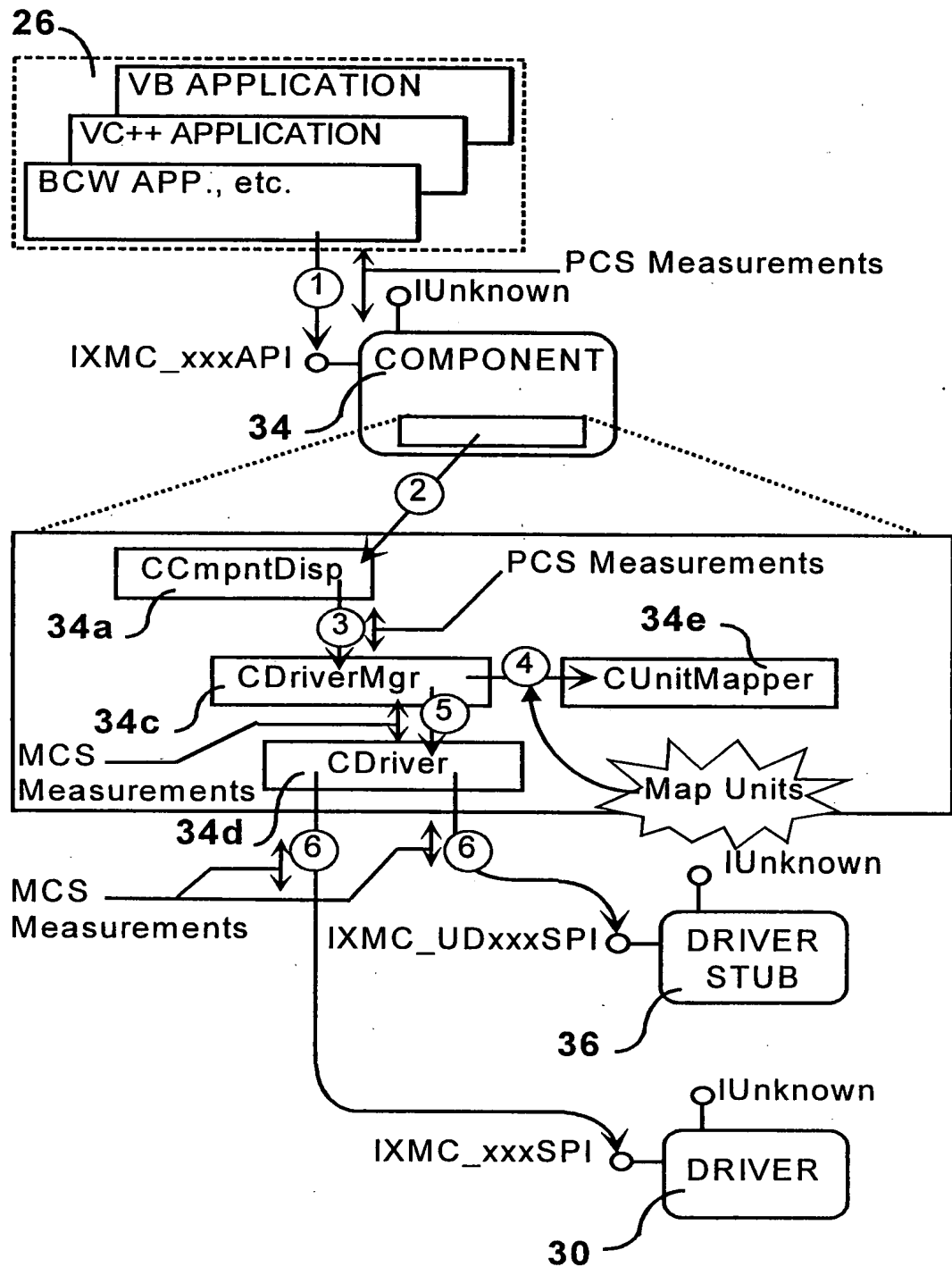
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FIG. 4 Scenario Map - Initialization

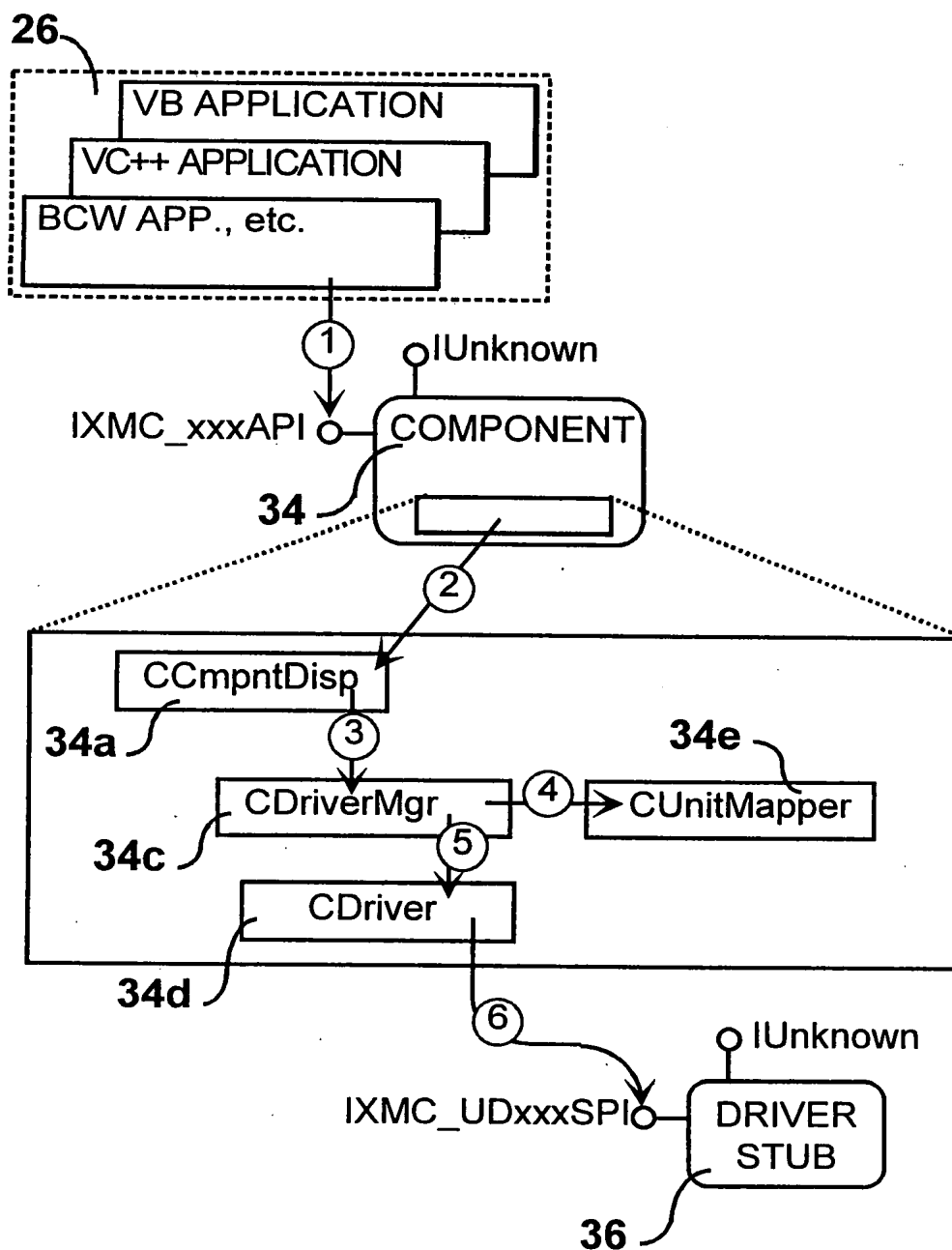
10/55

FIG. 5 Scenario Map - Core SPI Operation

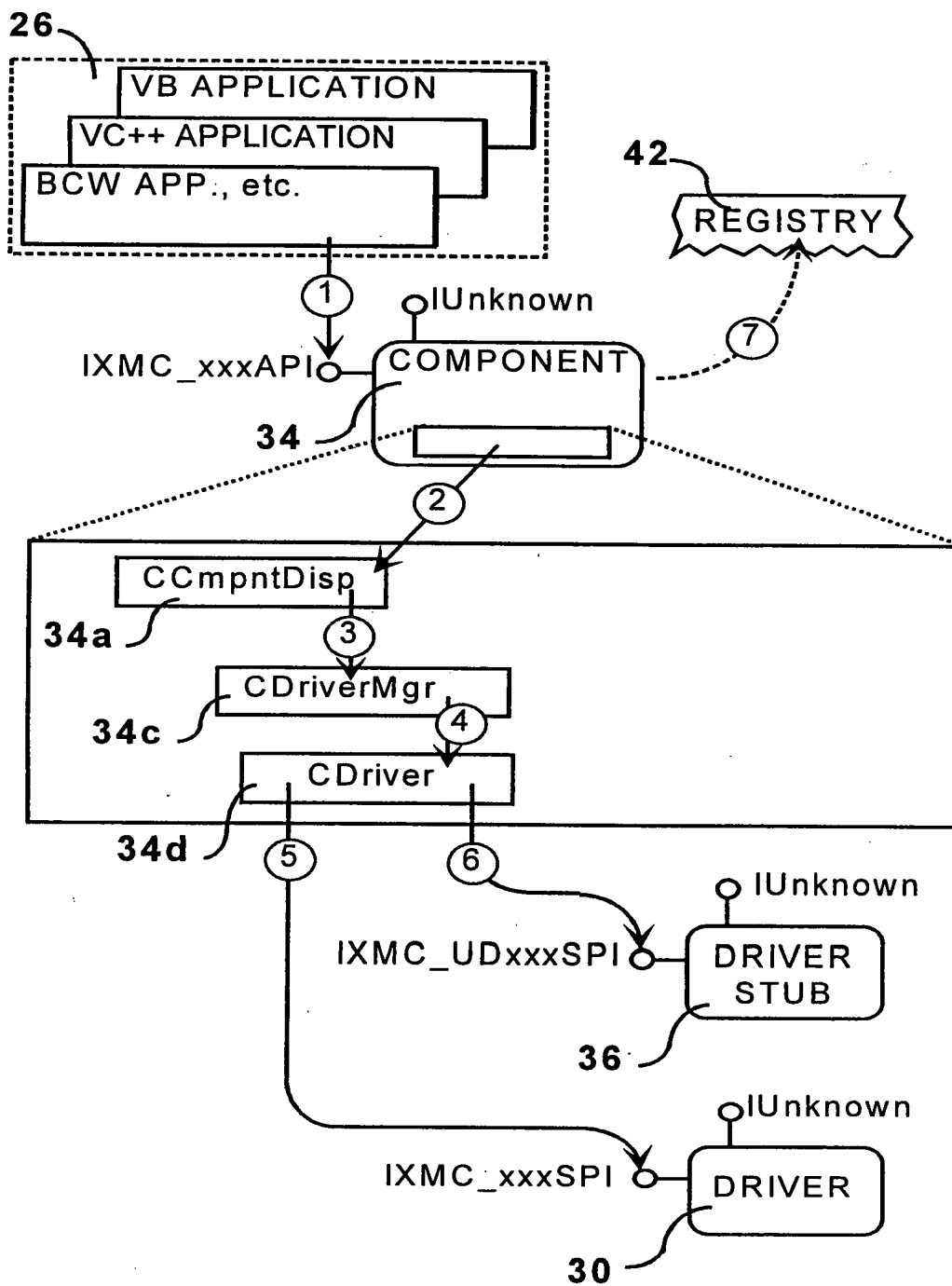
11/55

FIG. 6 Scenario-Map - Unit Mapping

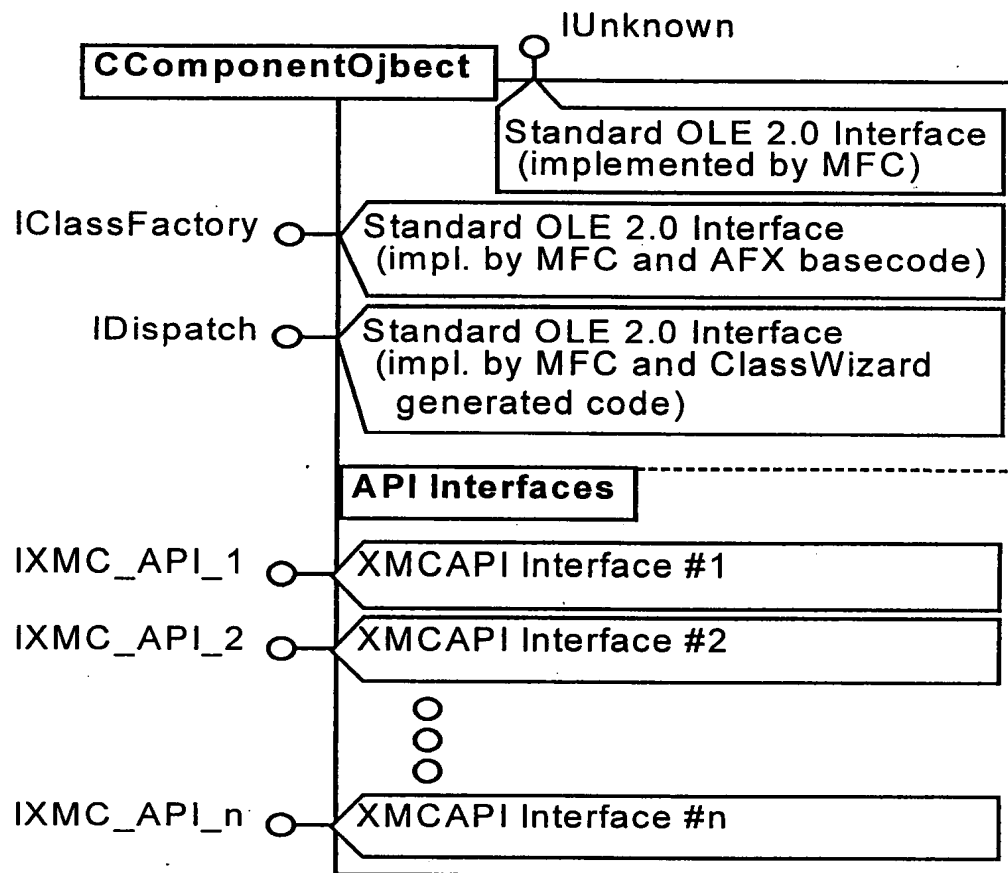
12/55

FIG. 7 Scenario-Map - Extended SPI Operation

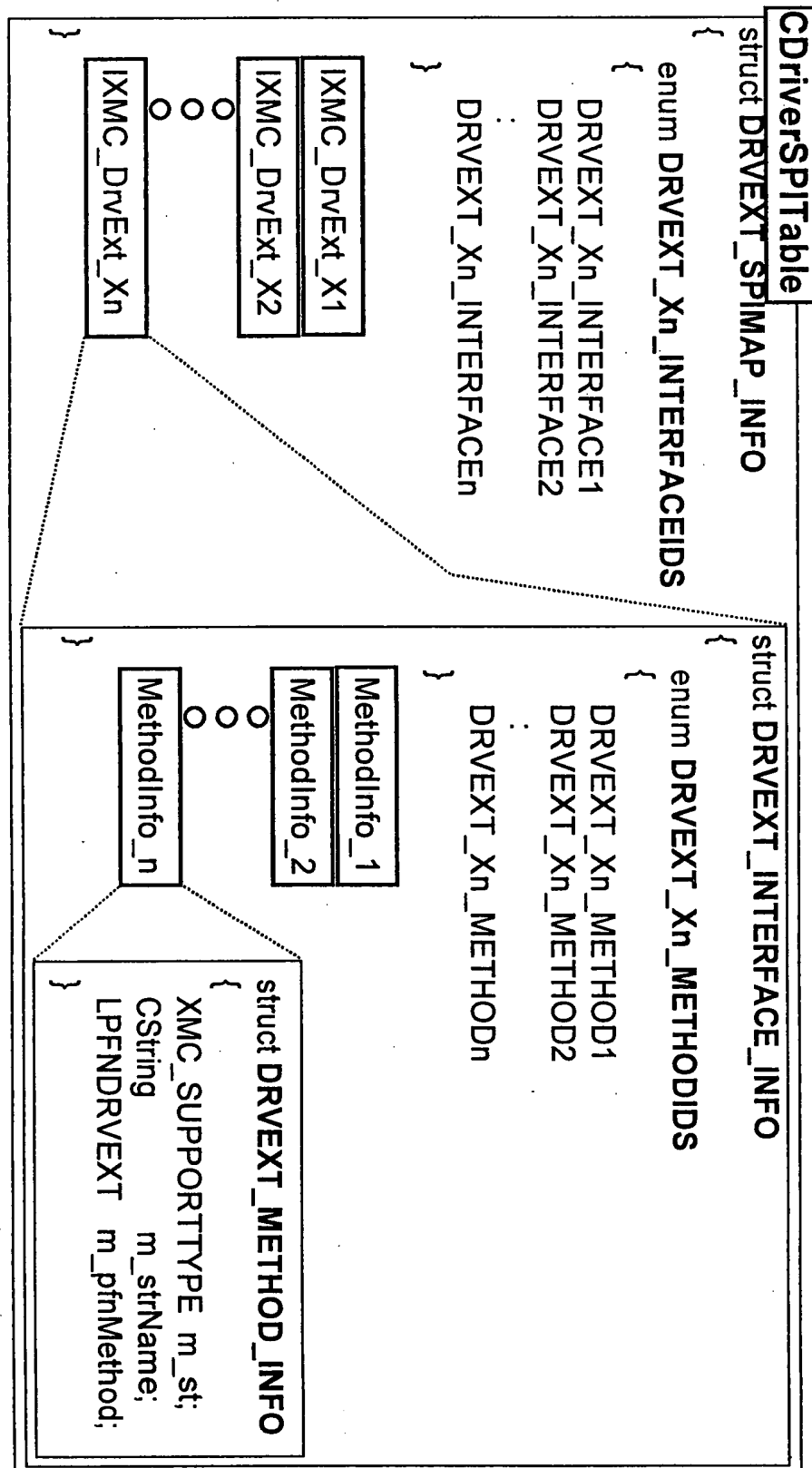
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FIG. 8 Scenario-Map - Clean-up.

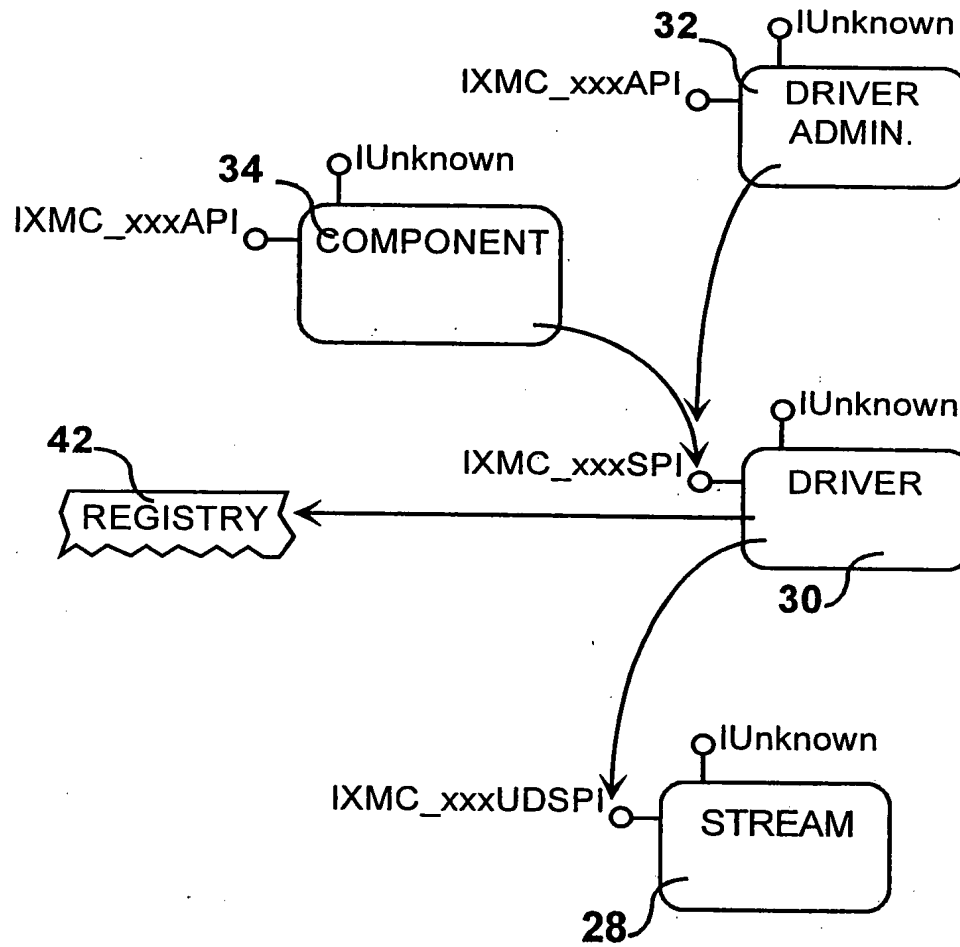
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FIG. 9 Interface-Map

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FIG. 10 CDriver class with XMCSPi table

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FIG. 11 Module Interaction-Map

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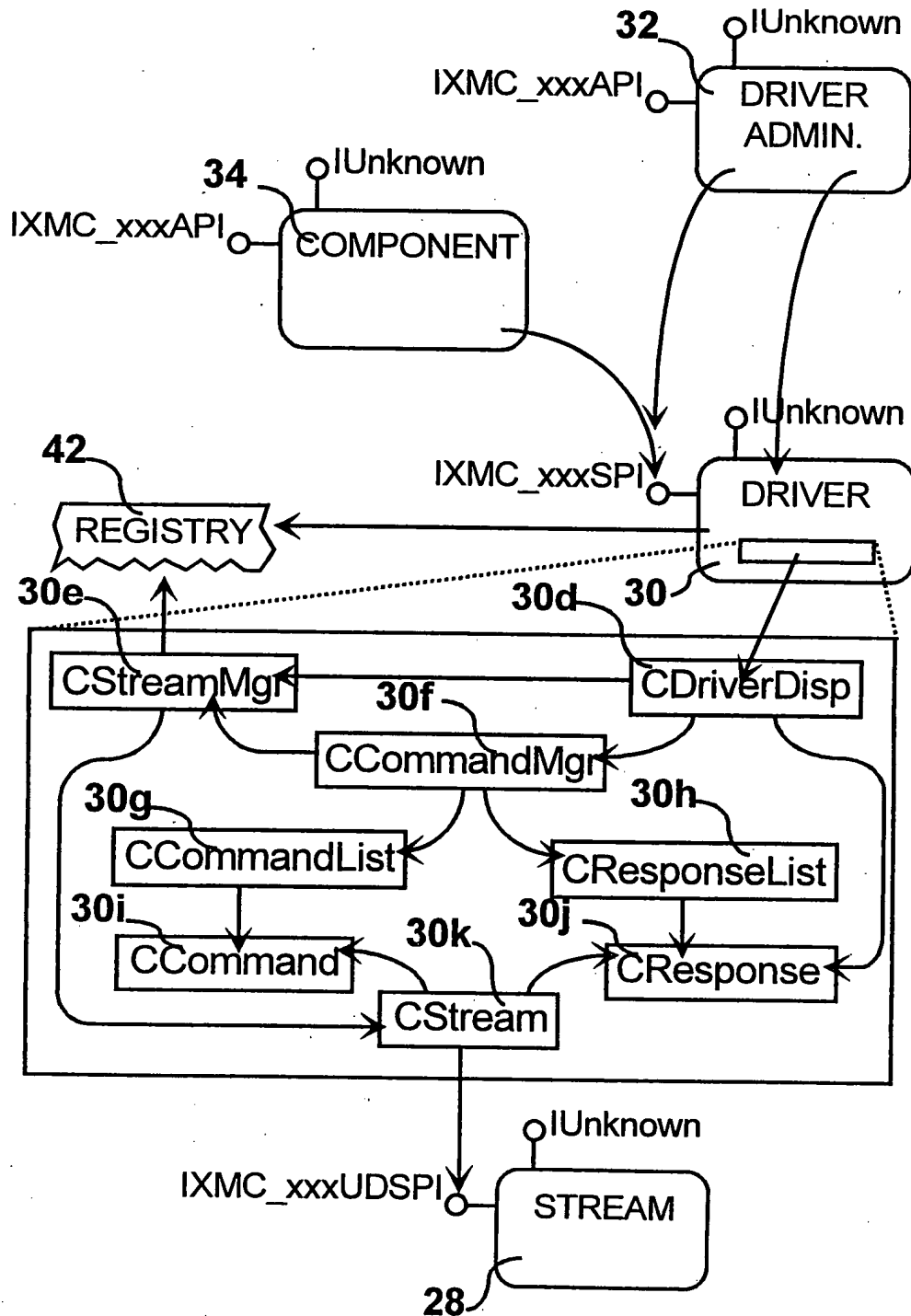
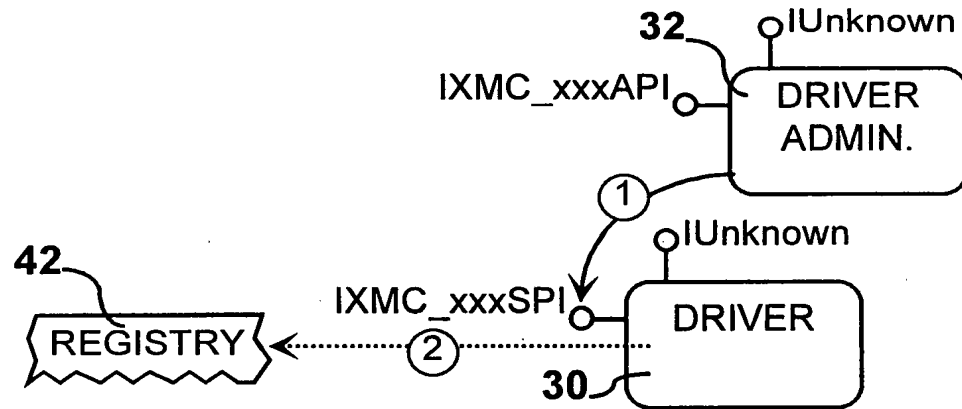
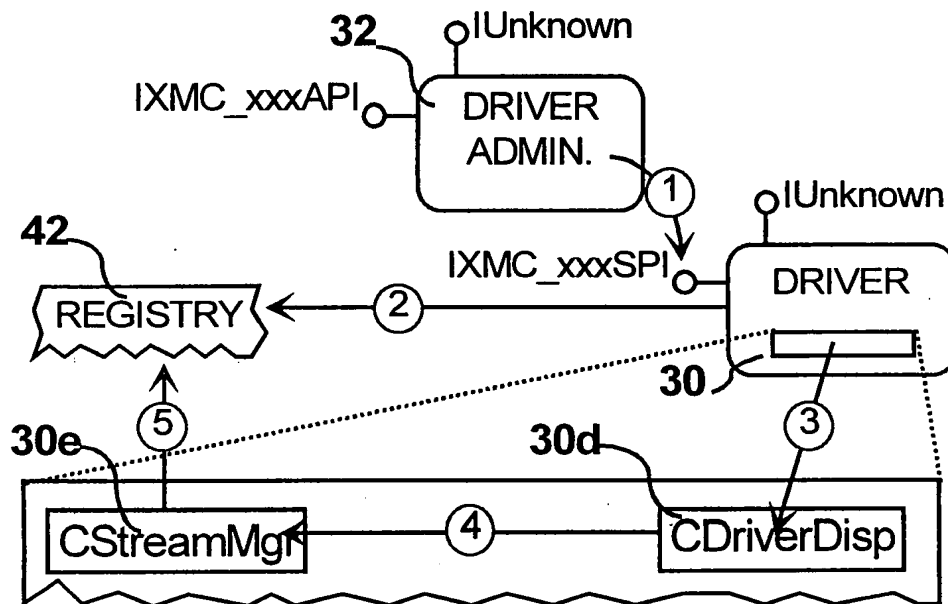
FIG. 12 Object Interaction-Map

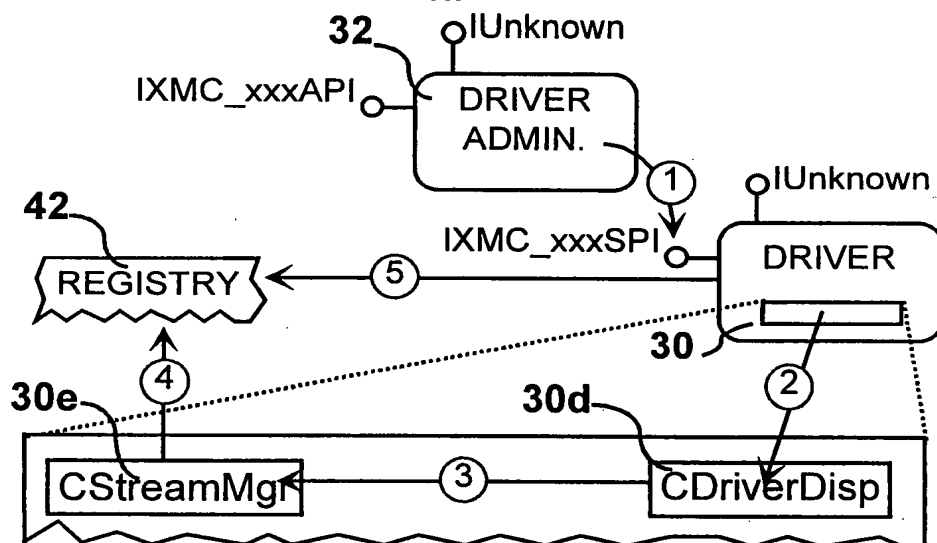
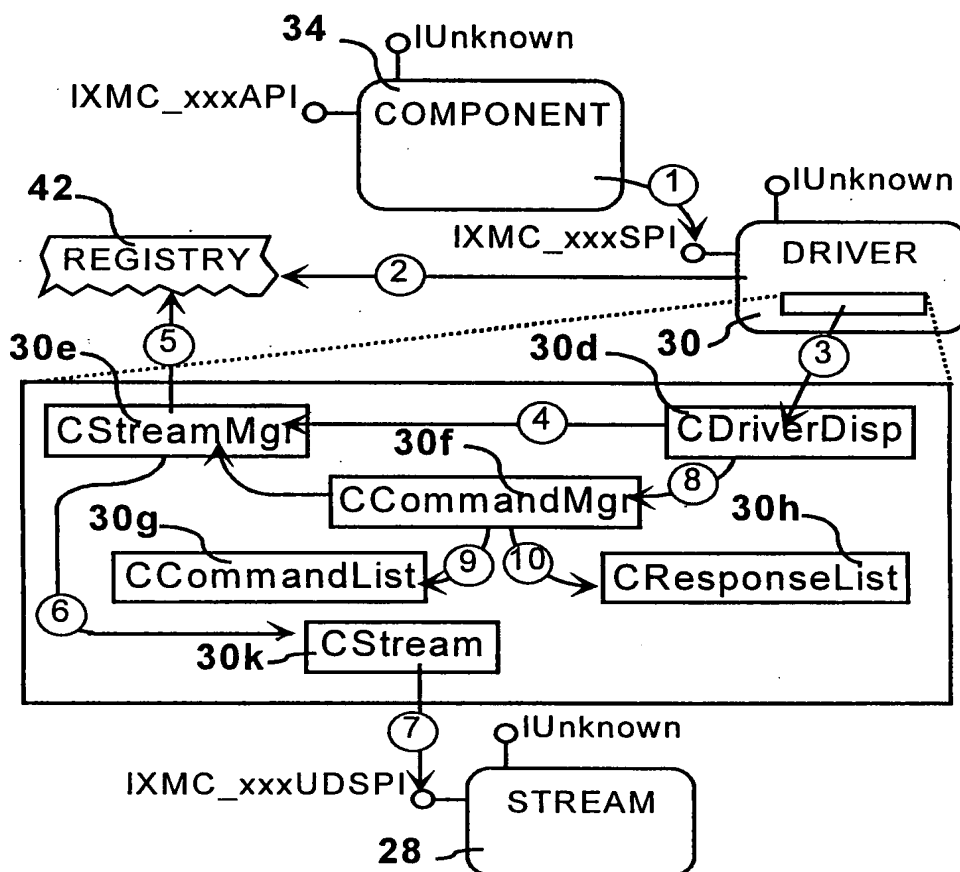
FIG. 13 Scenario-Map - Registration**FIG. 14** Scenario-Map - Init. by Driver Admin.

[illegible]

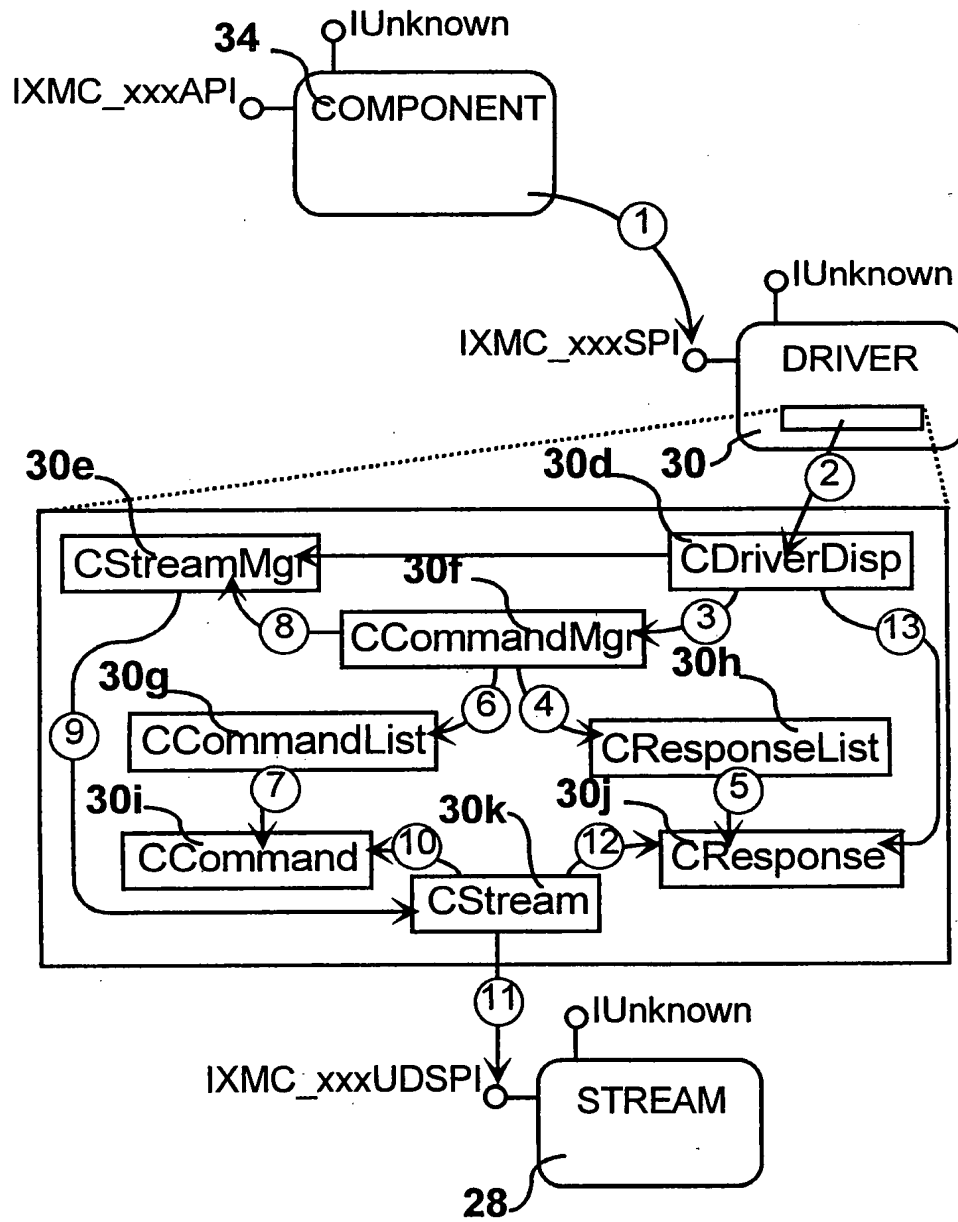
```

graph TD
    DA[DRIVER ADMIN.] -- 1 --> D[DRIVER]
    D -- 2 --> CD[CDriverDisp]
    CM[CStreamMgr] -- 3 --> CD
    CM -- 4 --> R[REGISTRY]
    CM -- 5 --> CS[CStream]
    CS -- 6 --> S[STREAM]
    DA -.-> CM
    D -.-> CM
    
```

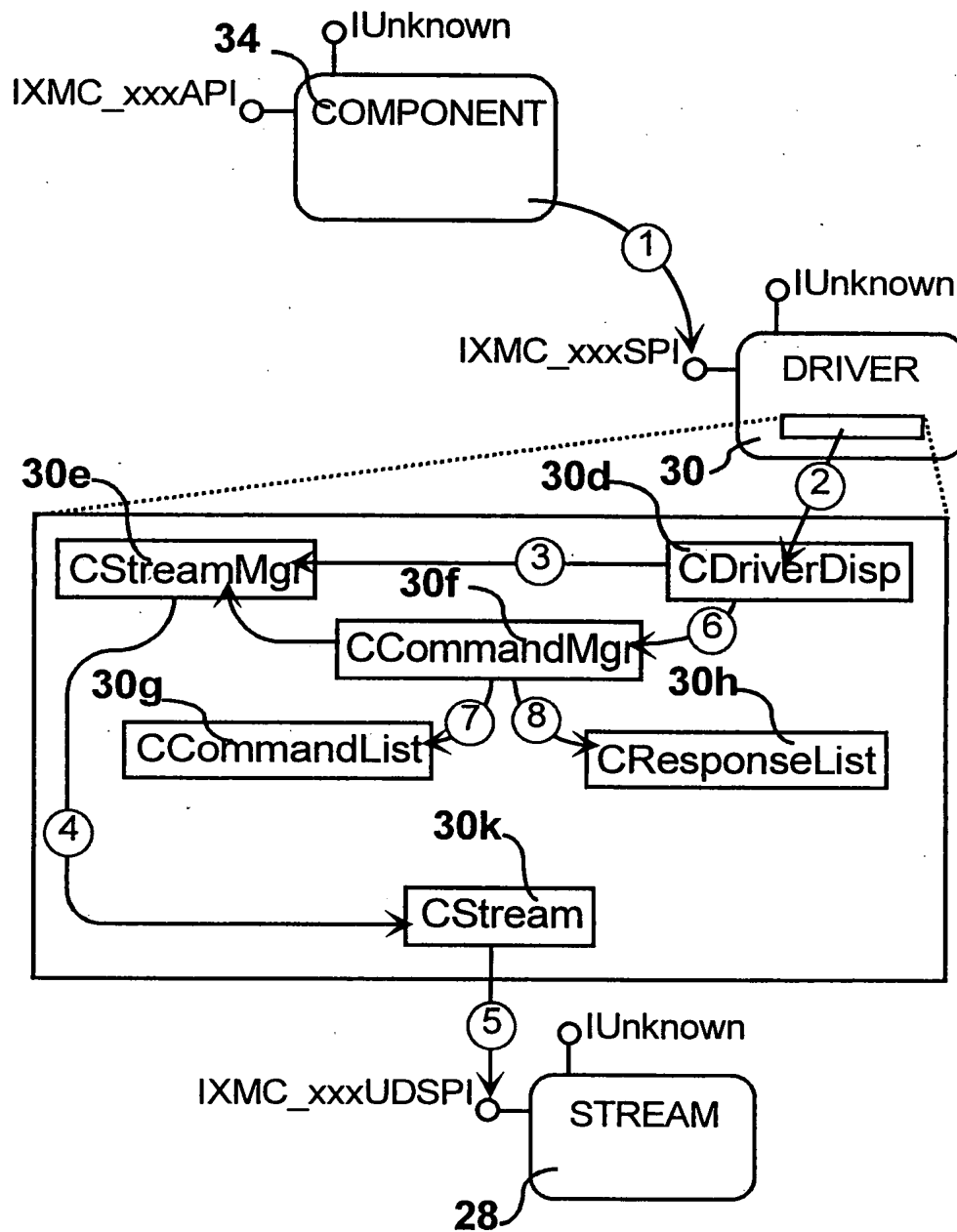
20/55

FIG. 17 Scenario-Map - Clean-Up by Drv. Admin.**FIG. 18** Scenario-Map - Init. by Component

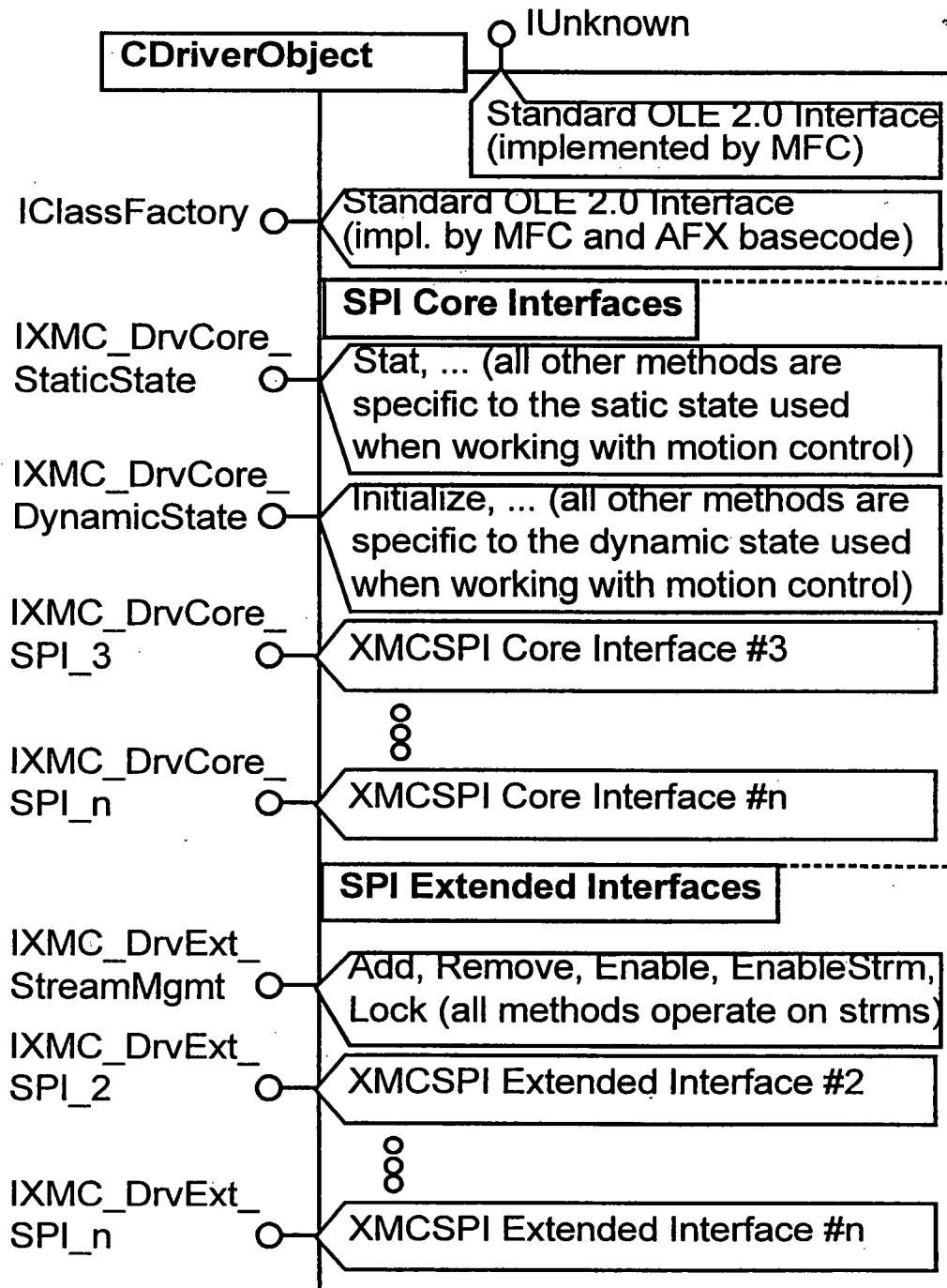
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FIG. 19 Scenario-Map - Command Operations

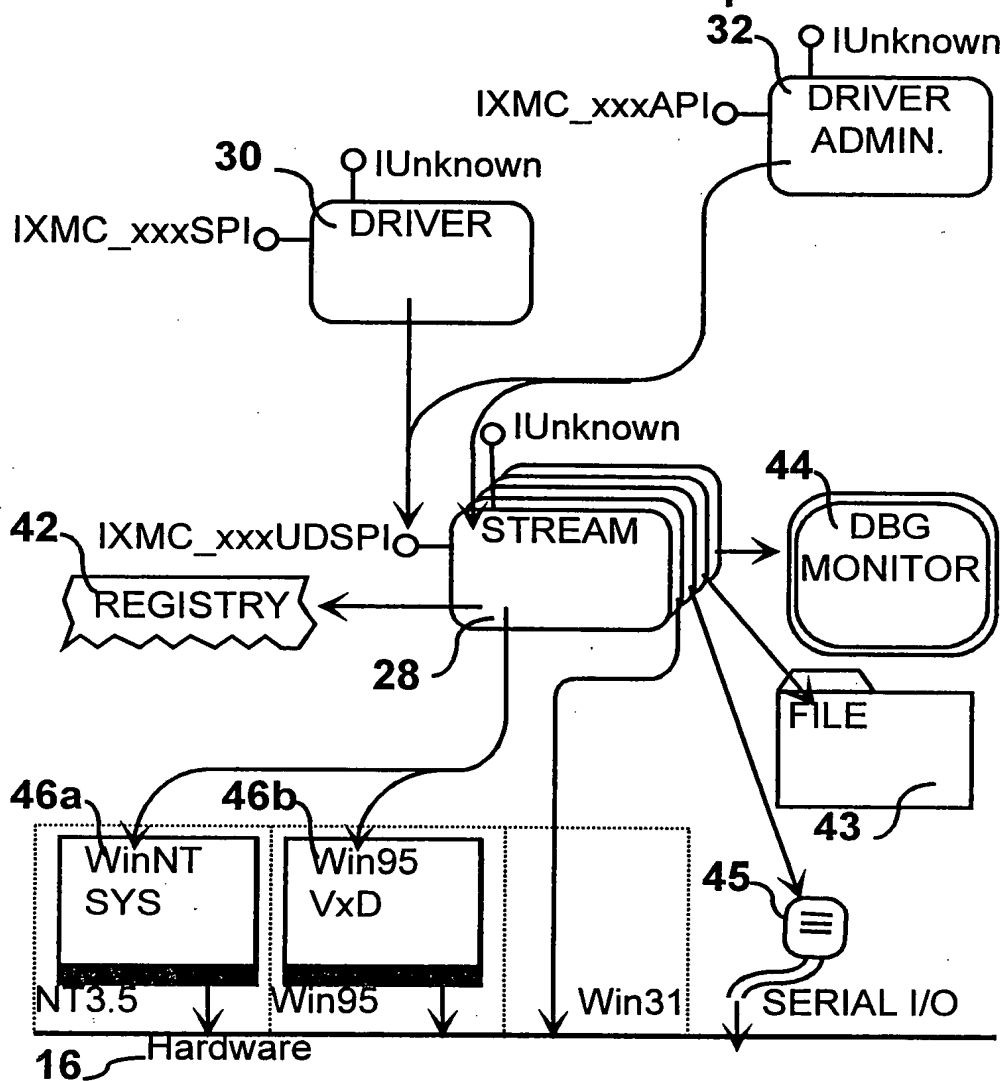
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FIG. 20 Scenario-Map - Clean-up by Component

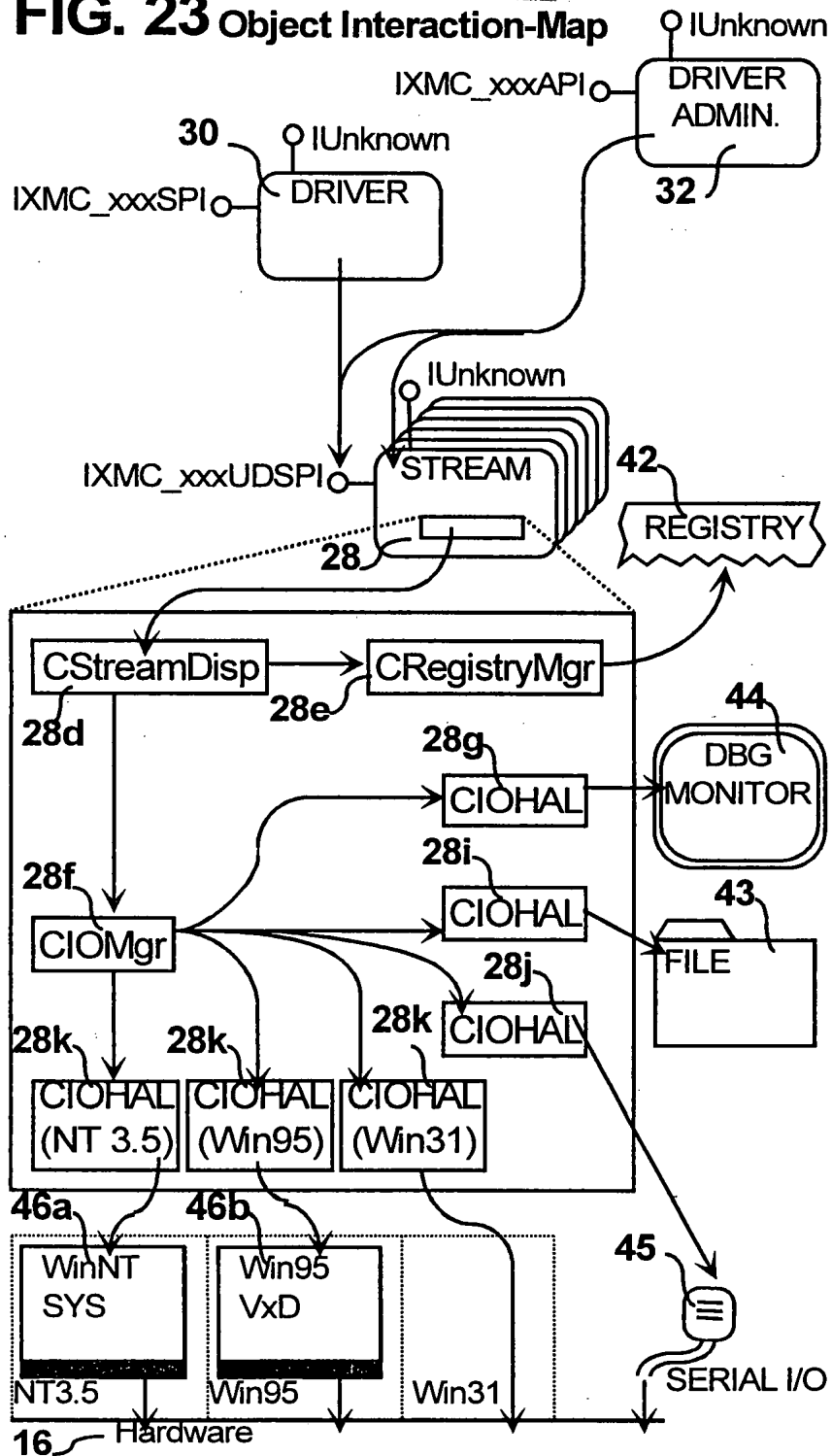
23/55

FIG. 21 Interface-Map

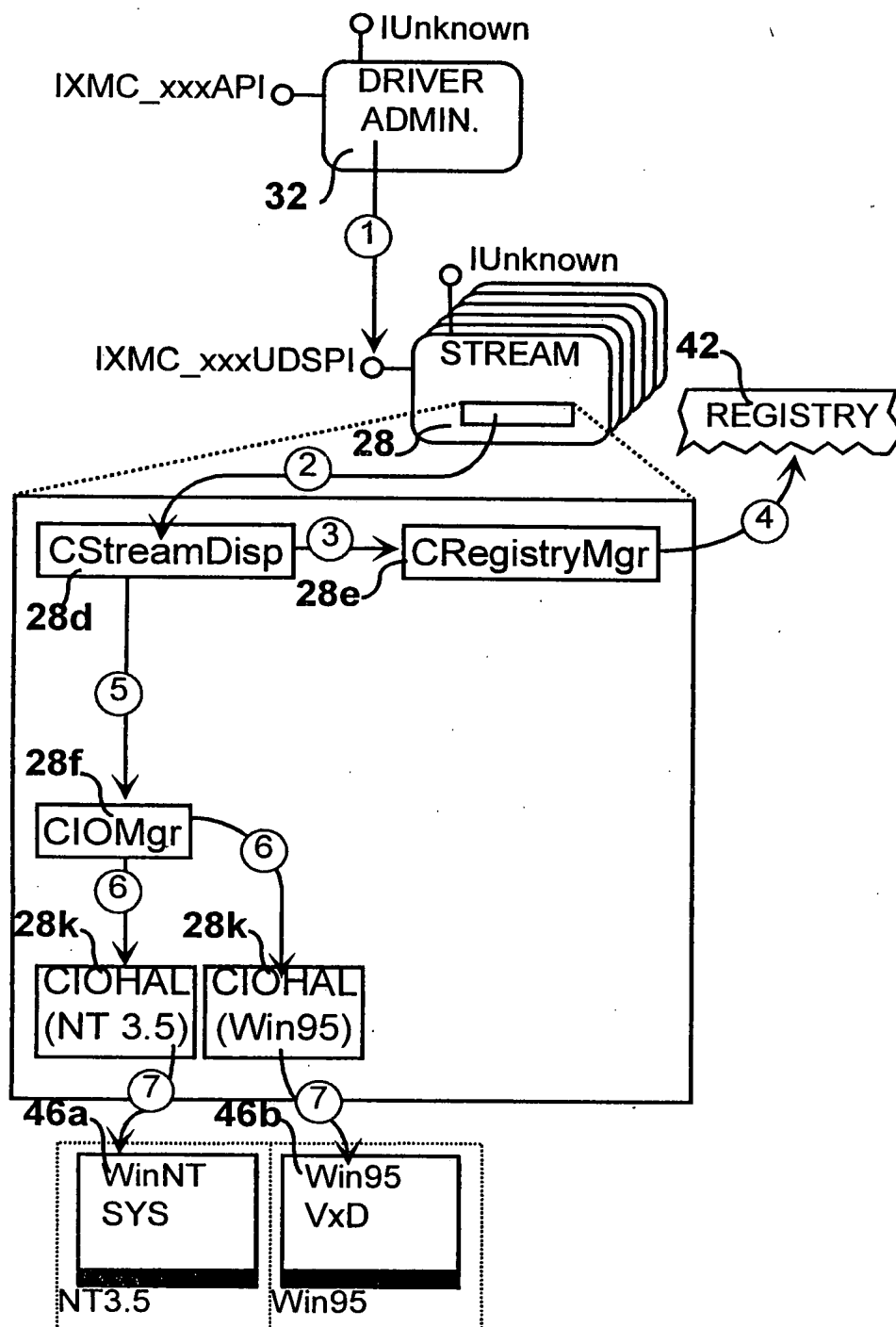
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FIG. 22 Module Interaction-Map

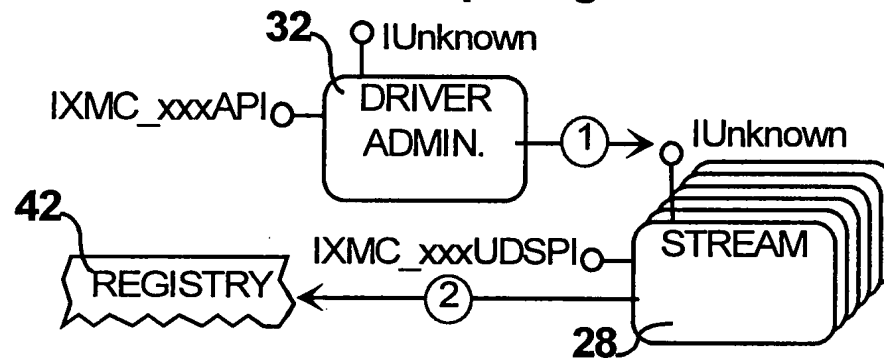
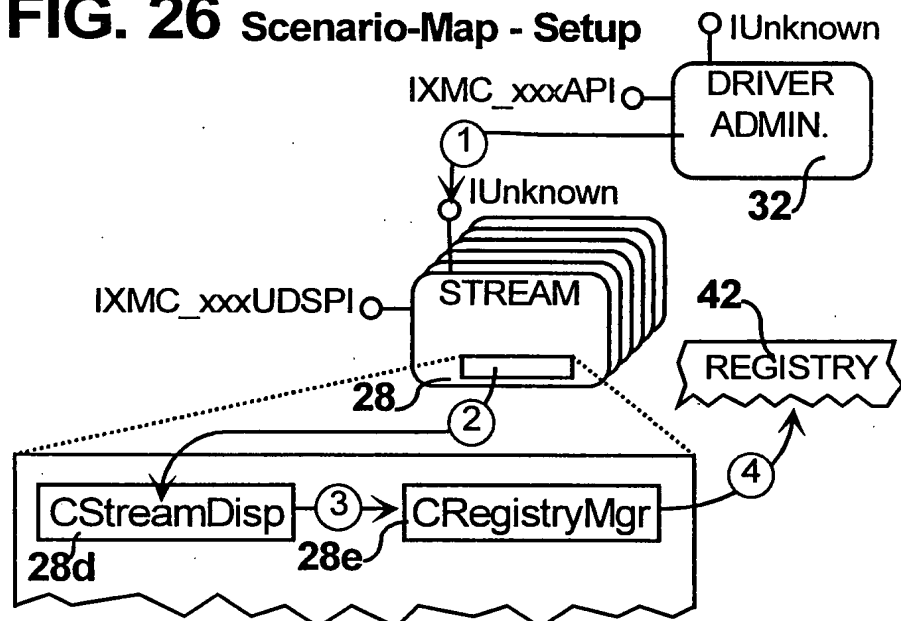
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FIG. 23 Object Interaction-Map

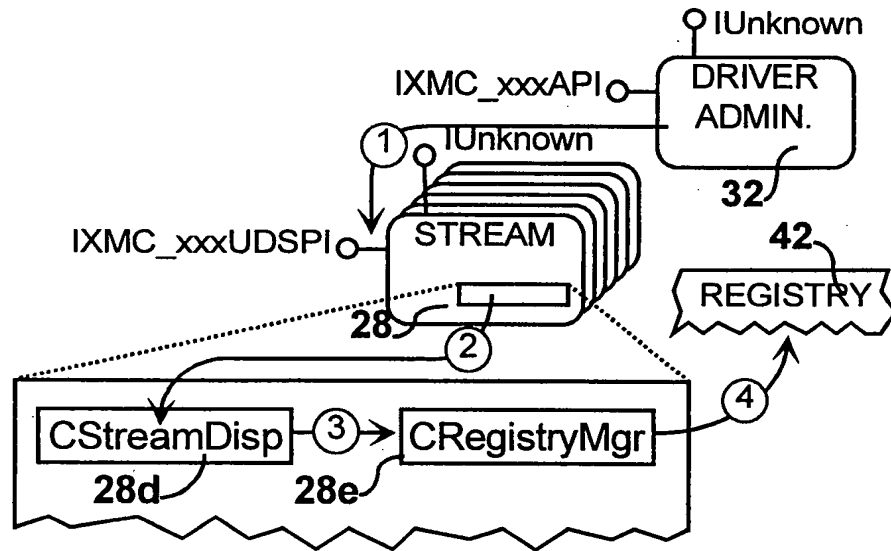
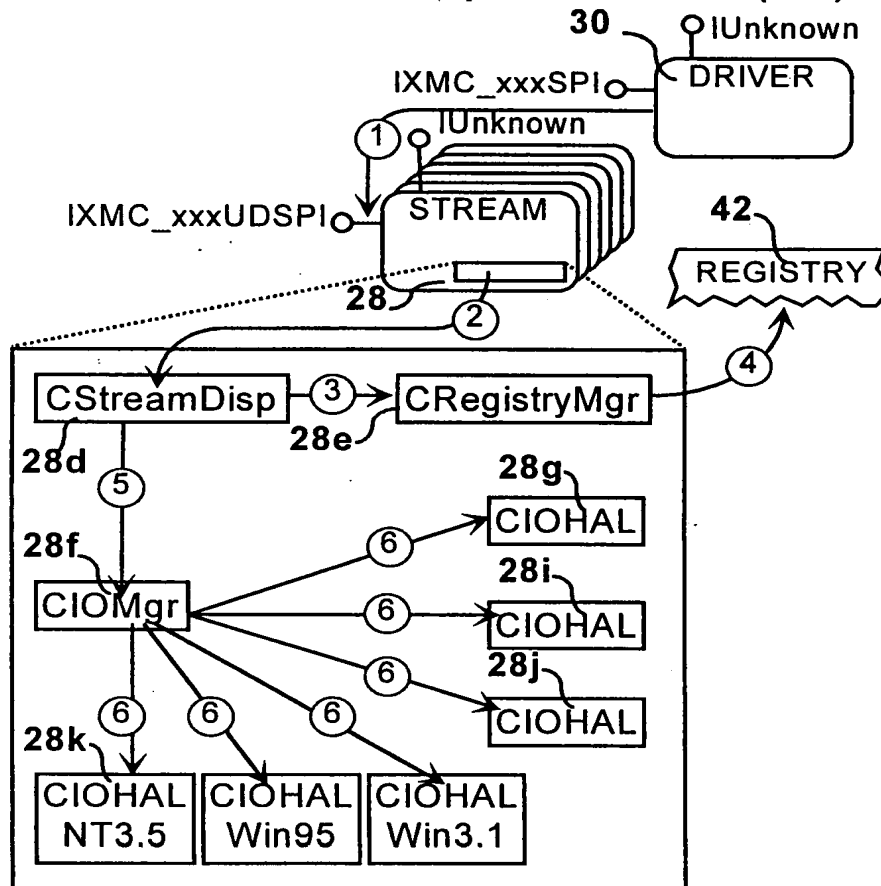
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FIG. 24 Scenario-Map - Initialization

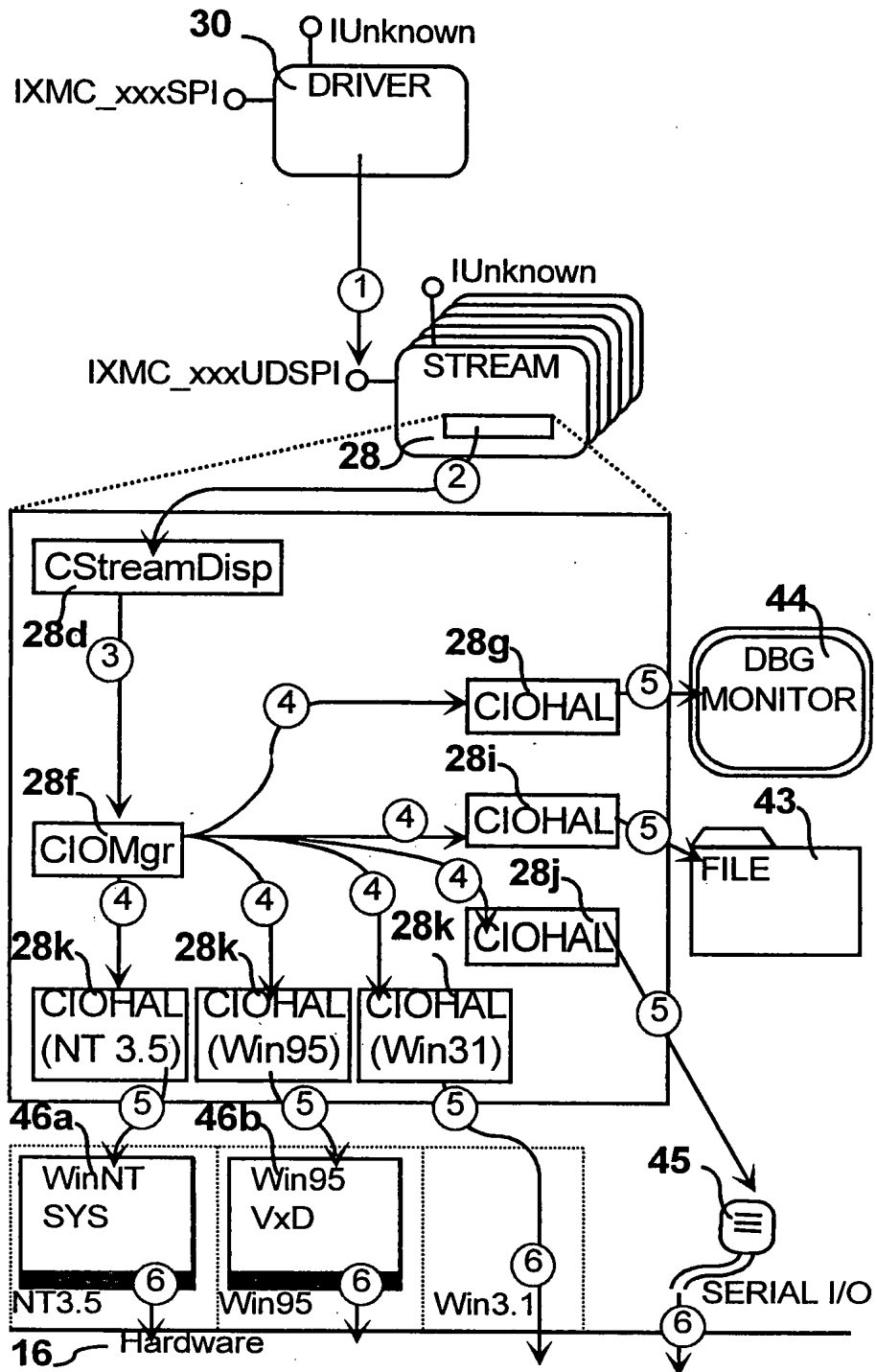
27/55

FIG. 25 Scenario-Map - Registration**FIG. 26** Scenario-Map - Setup

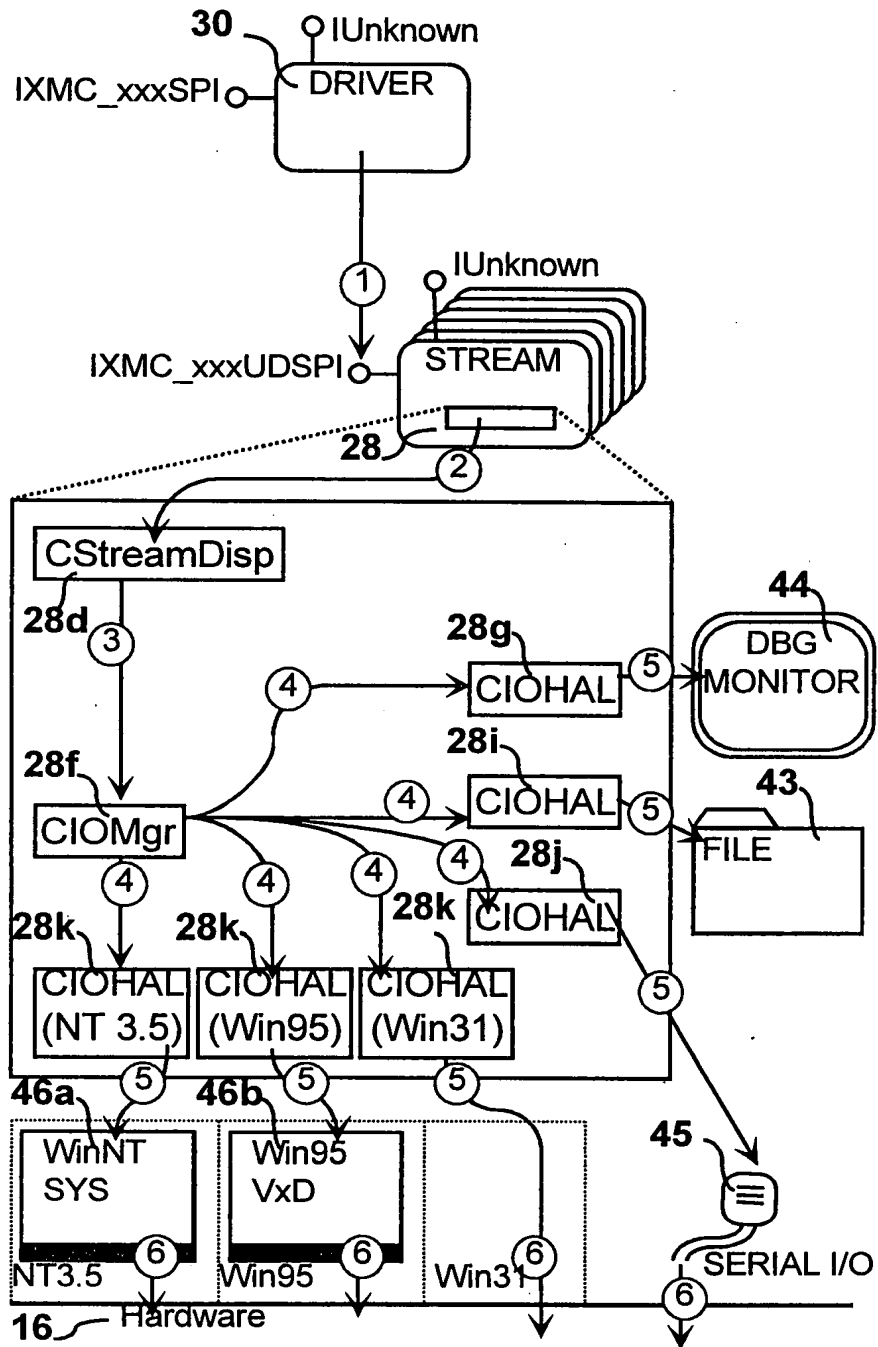
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FIG. 27 Scenario-Map - Clean-up**FIG. 28** Scenario-Map - Initialization (Drv)

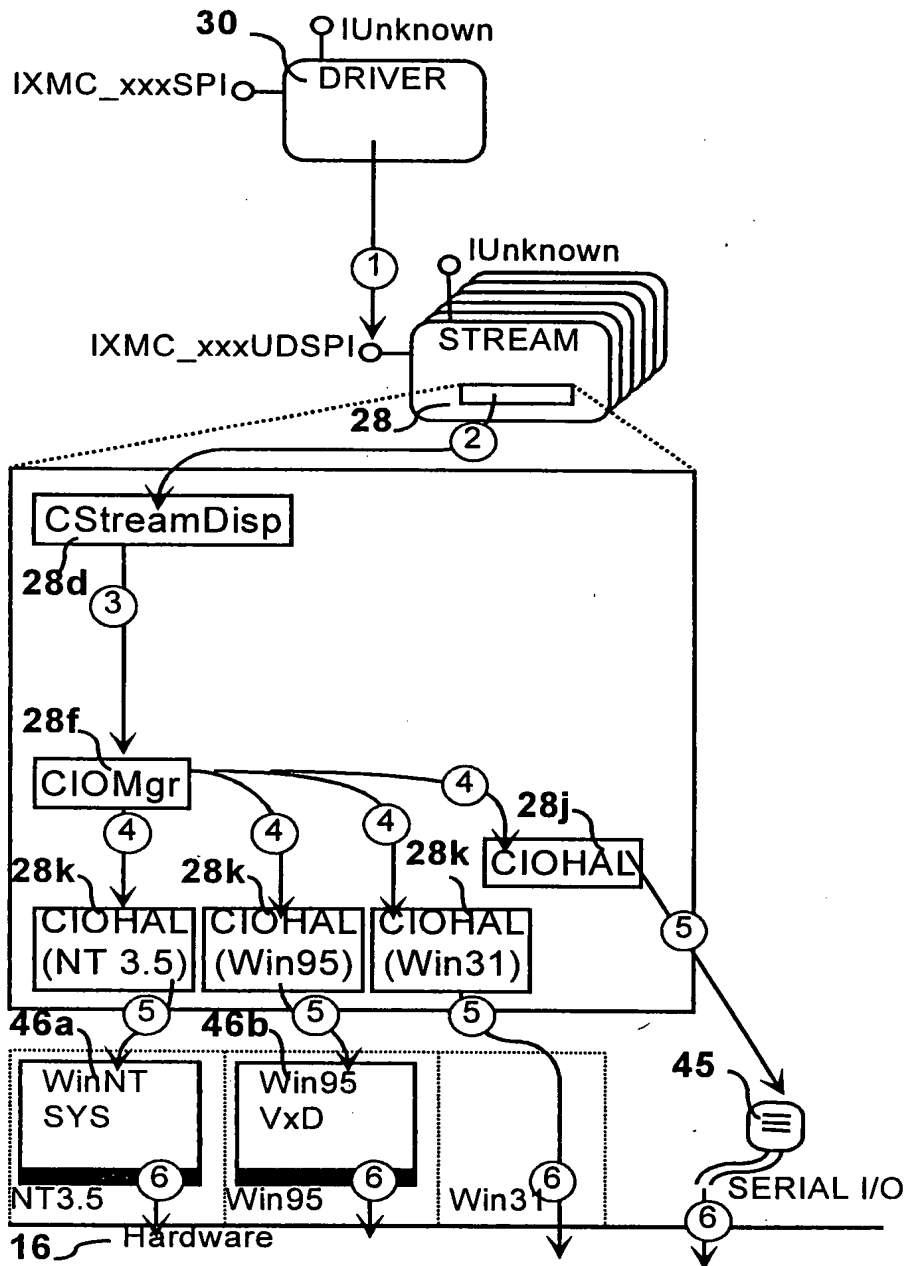
29/55

FIG. 29 Scenario-Map - Opening the Stream

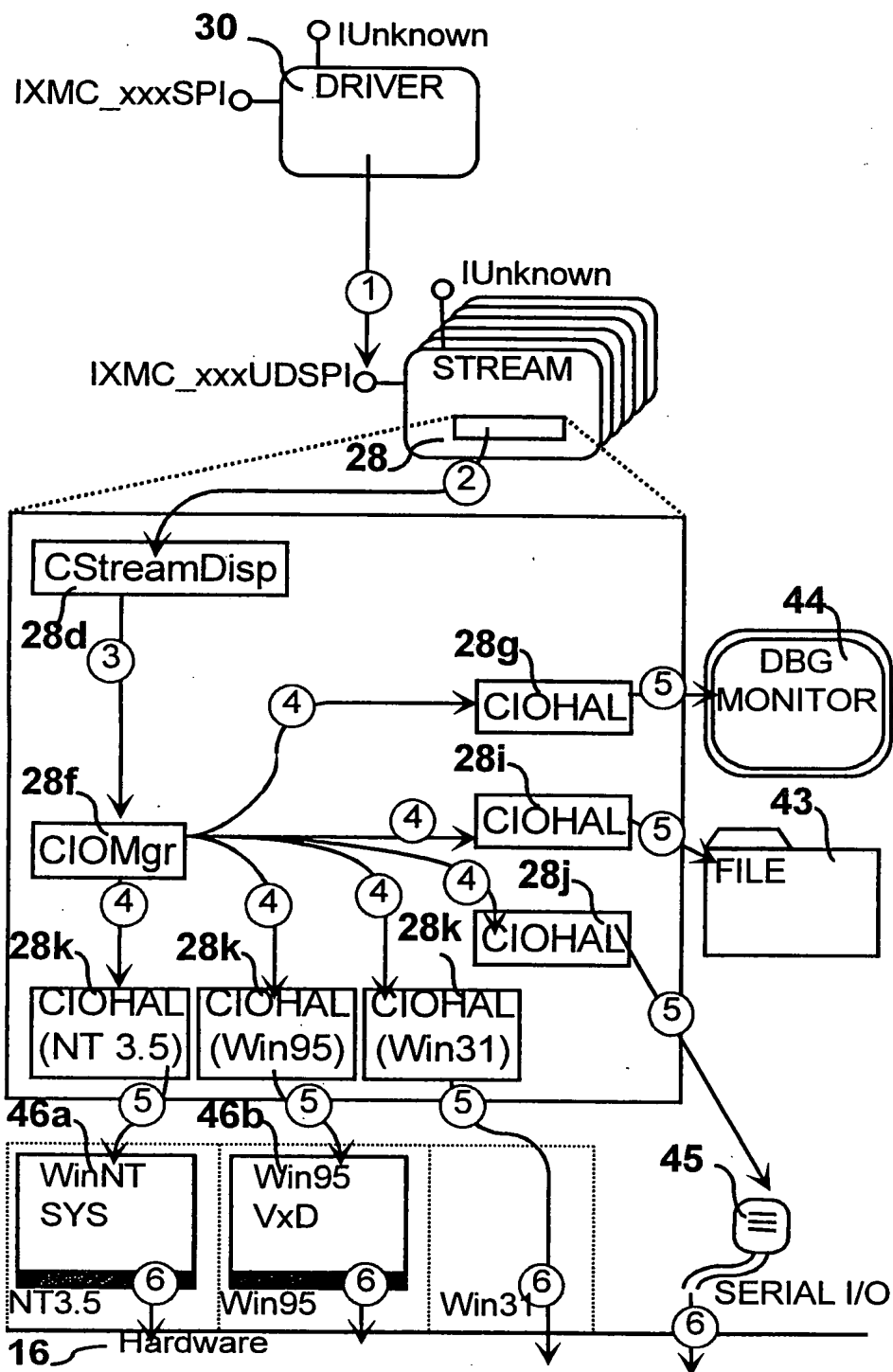
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FIG. 30 Scenario-Map - Writing Data

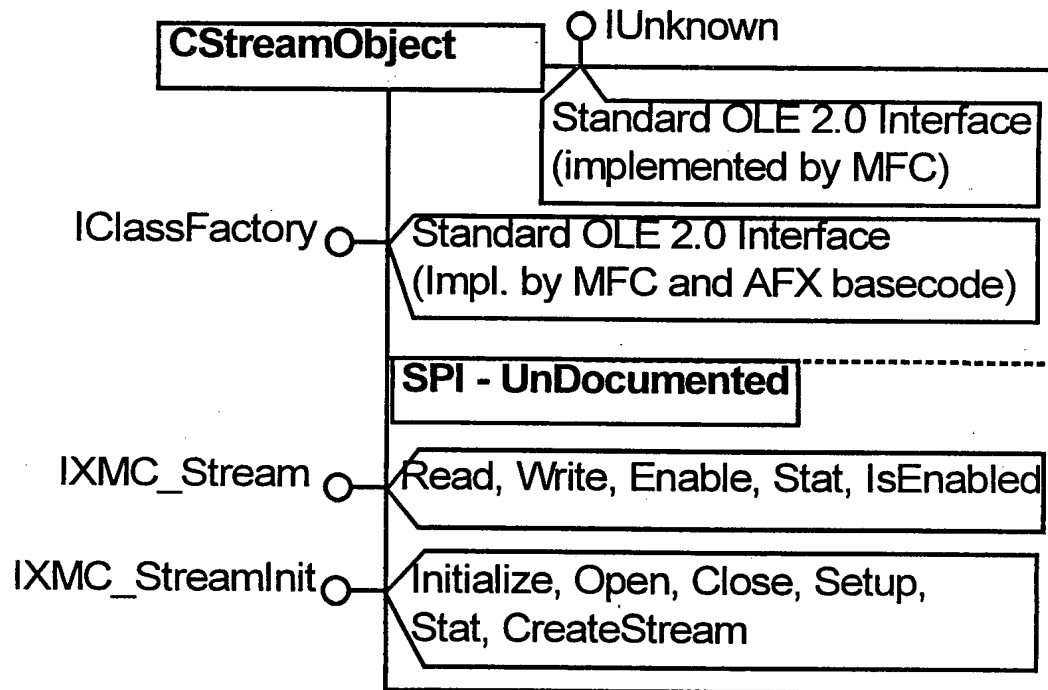
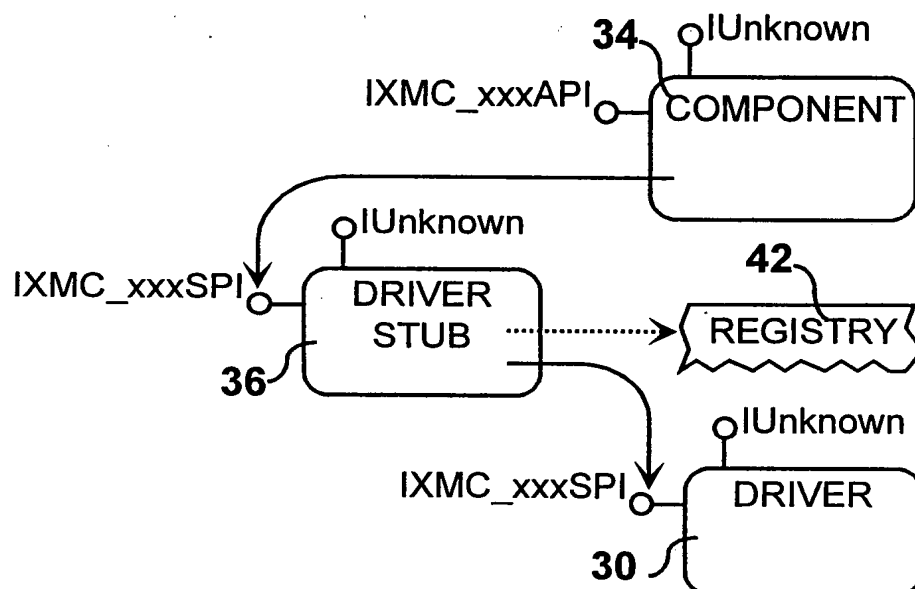
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FIG. 31 Scenario-Map - Reading Data

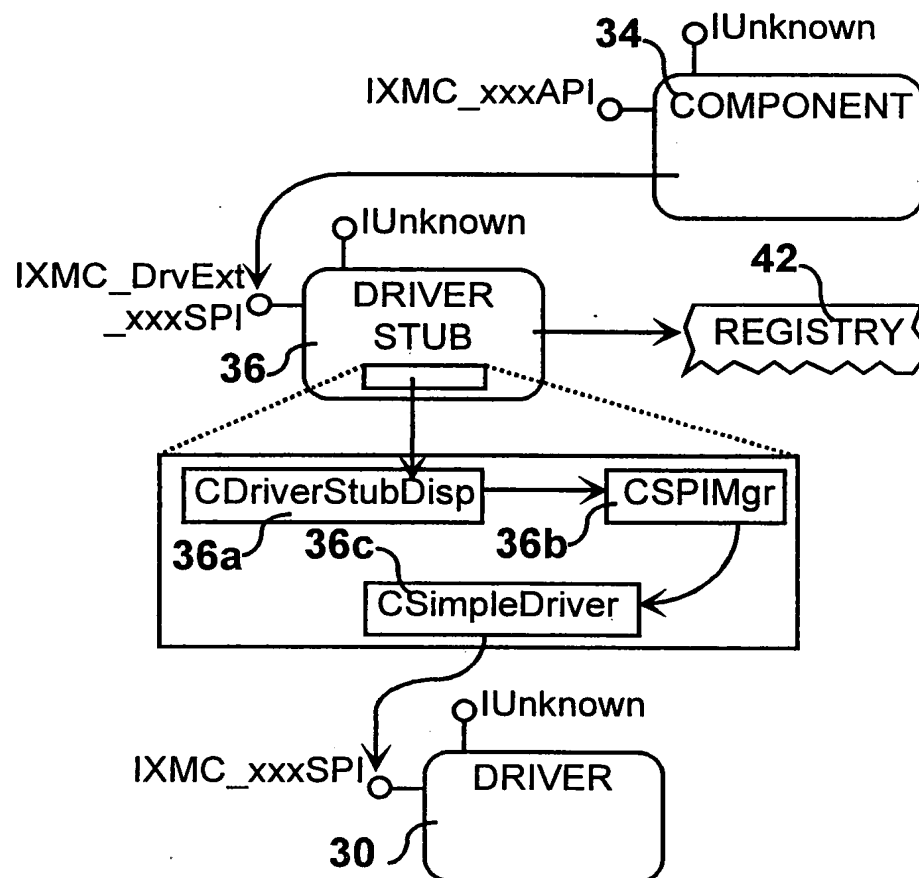
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FIG. 32 Scenario-Map - Clean-up (Drv)

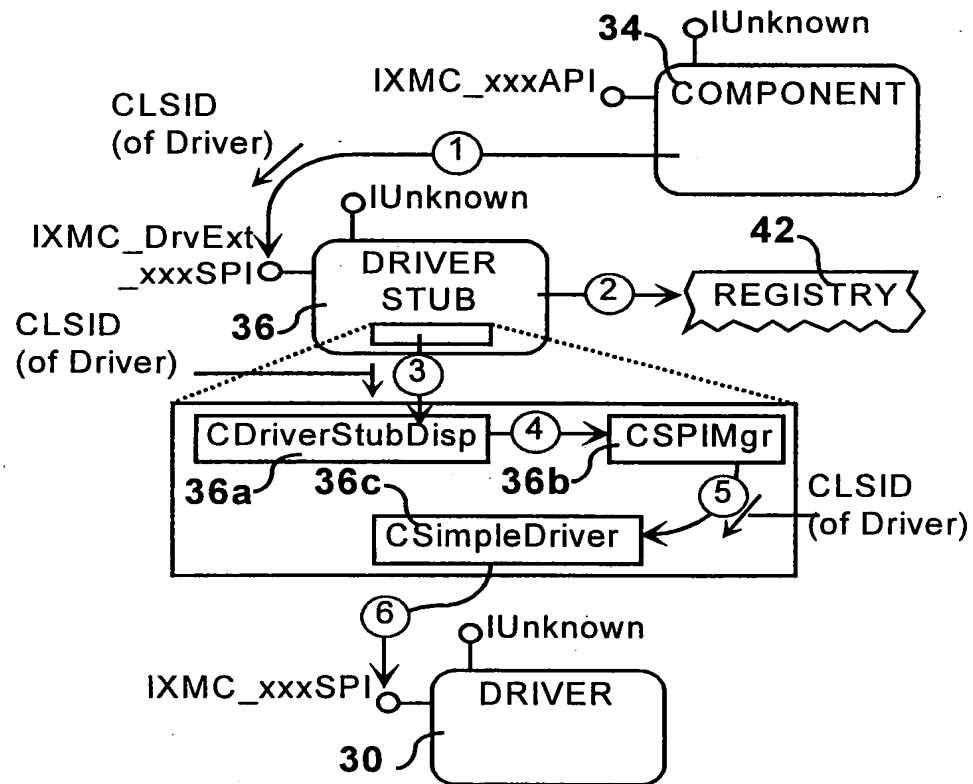
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FIG. 33 Interface-Map**FIG. 34** Module Interaction-Map.

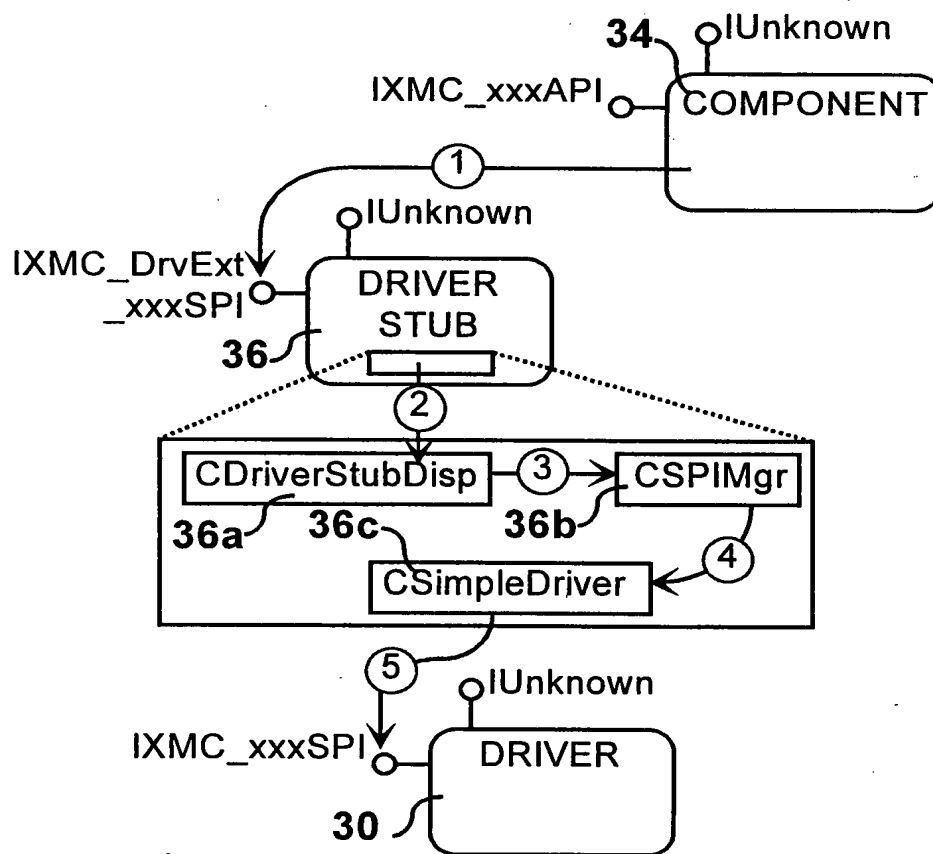
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FIG. 35 Object Interaction-Map

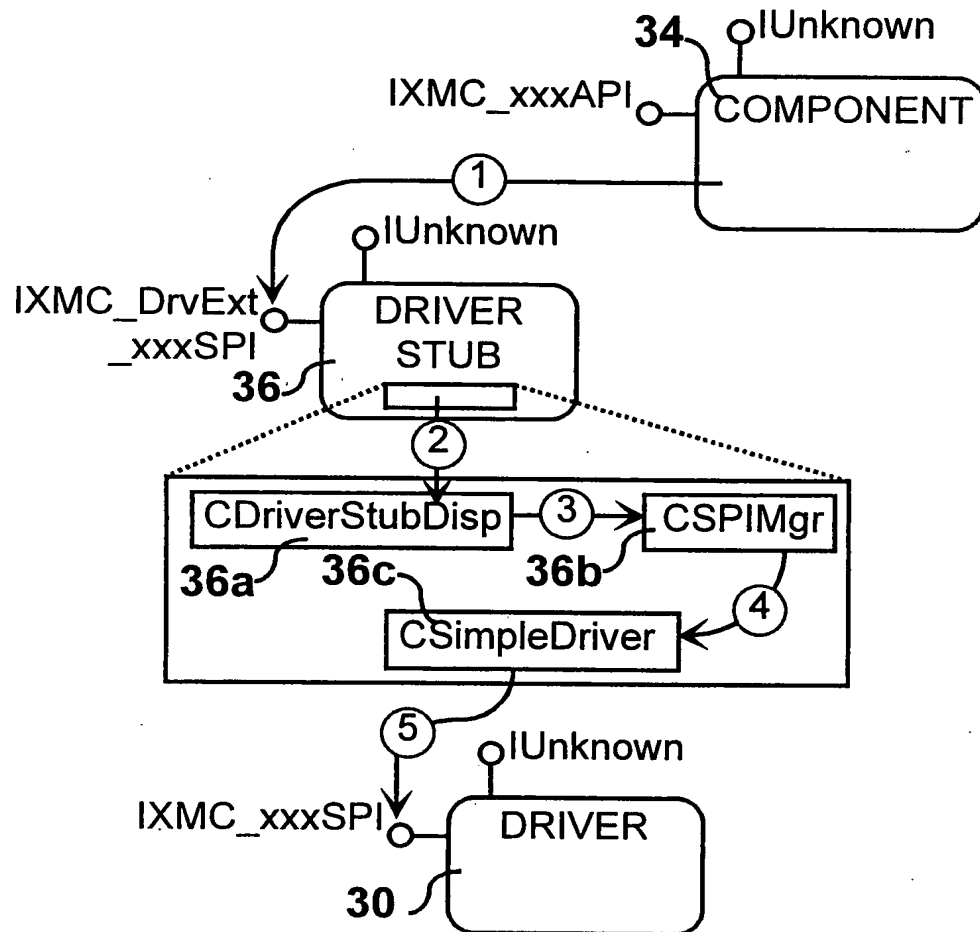
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FIG. 36 Scenario-Map - Initialization

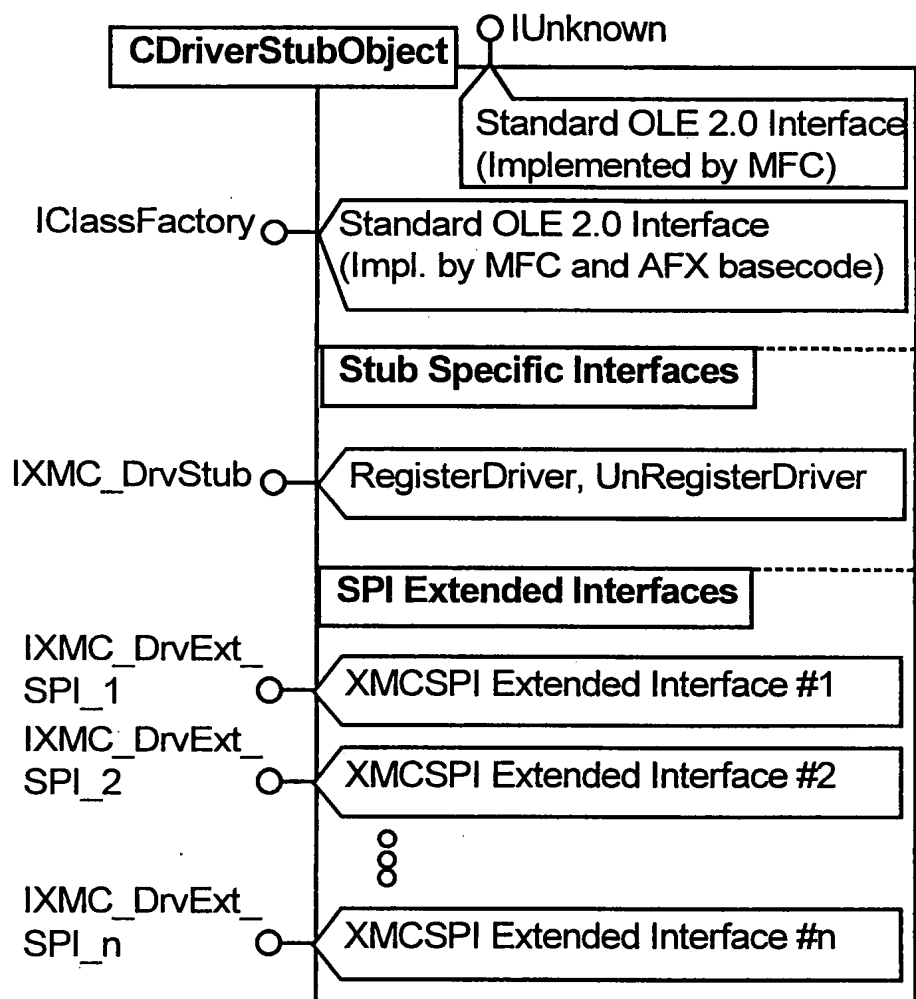
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FIG. 37 Scenario-Map - Operations

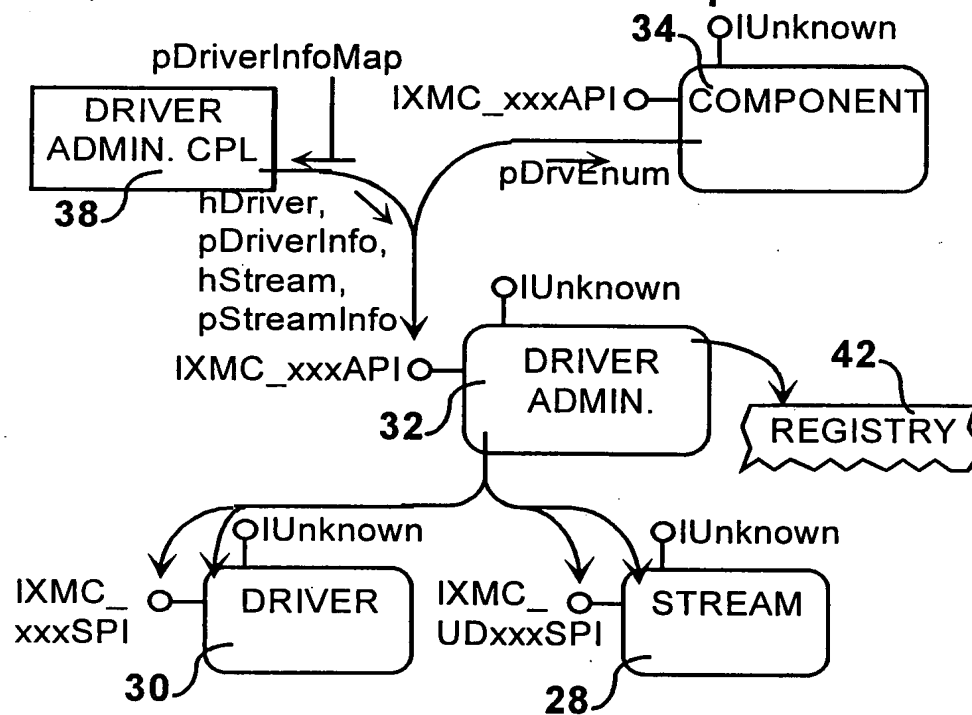
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FIG. 38 Scenario-Map - Clean-up

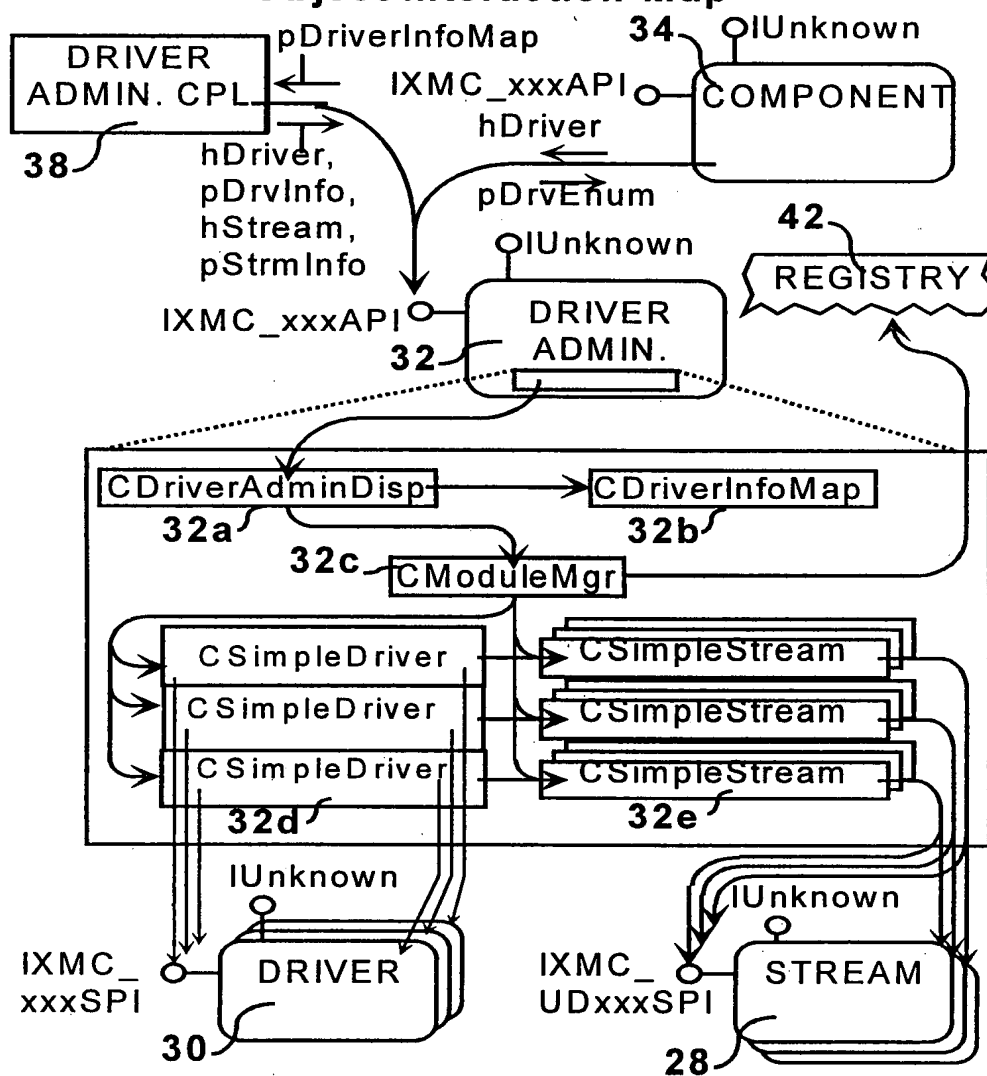
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FIG. 39 Interface-Map

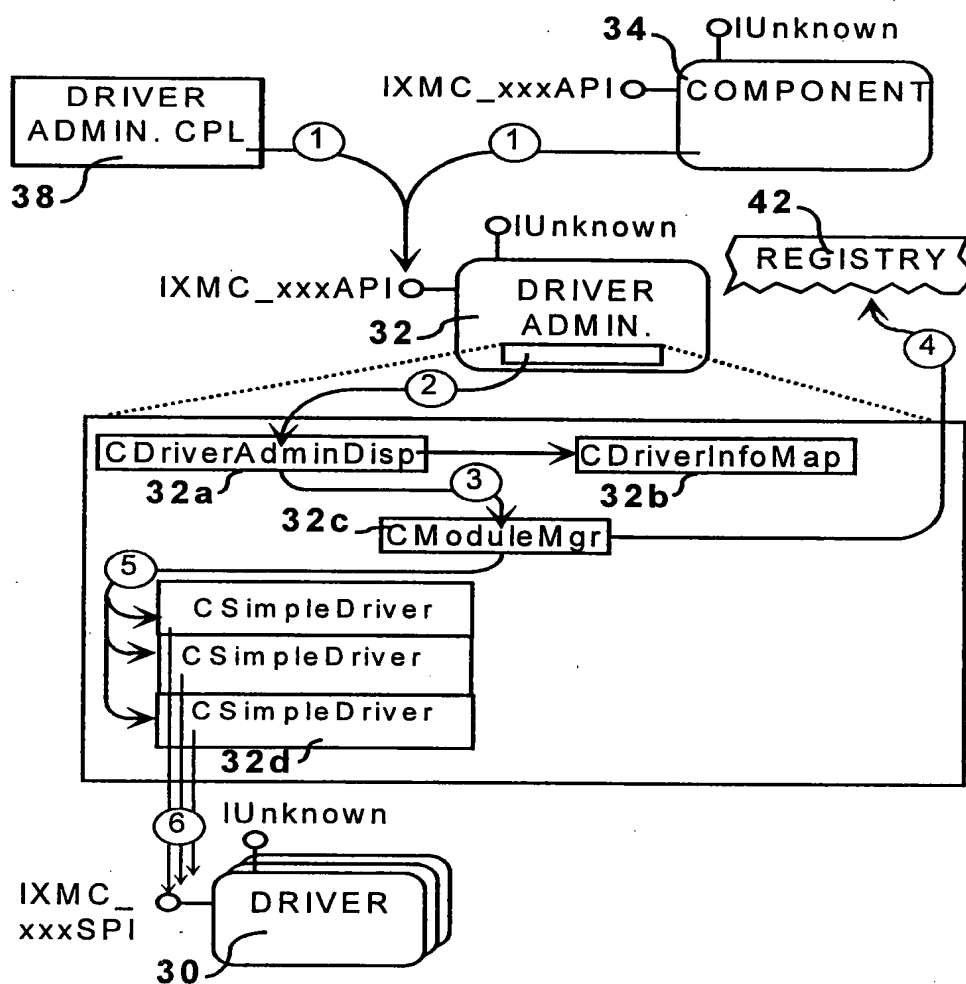
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FIG. 40 Module Interaction-Map

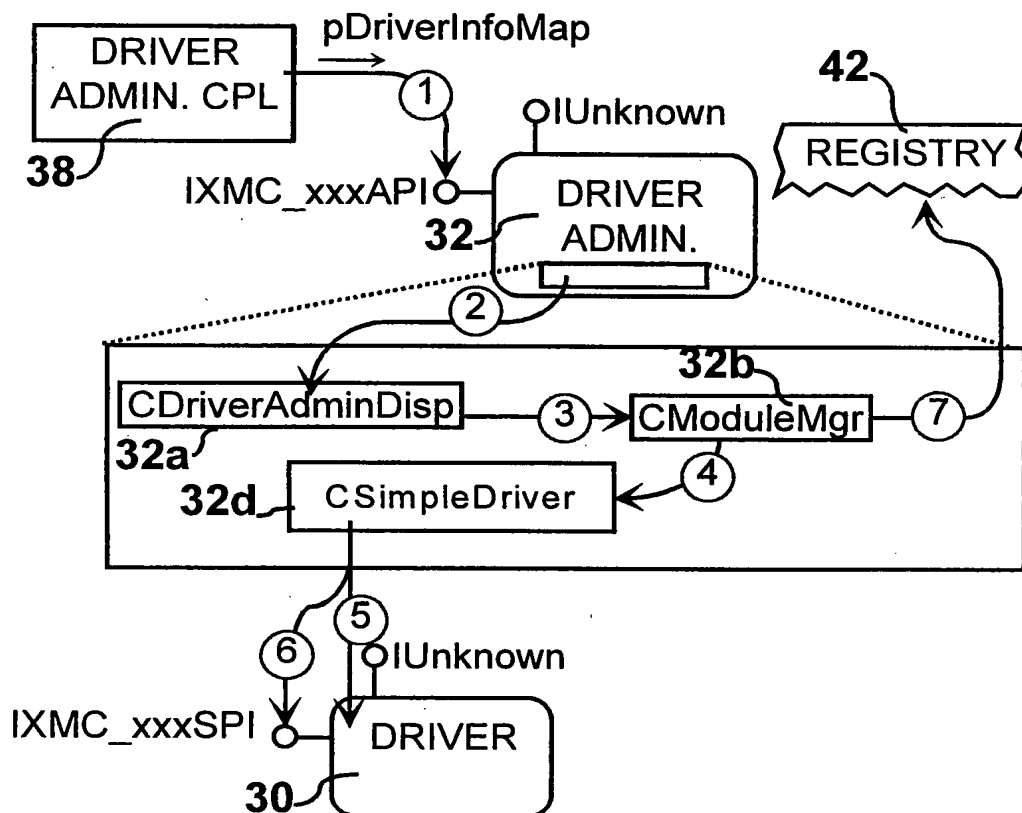
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FIG. 41 Object Interaction-Map

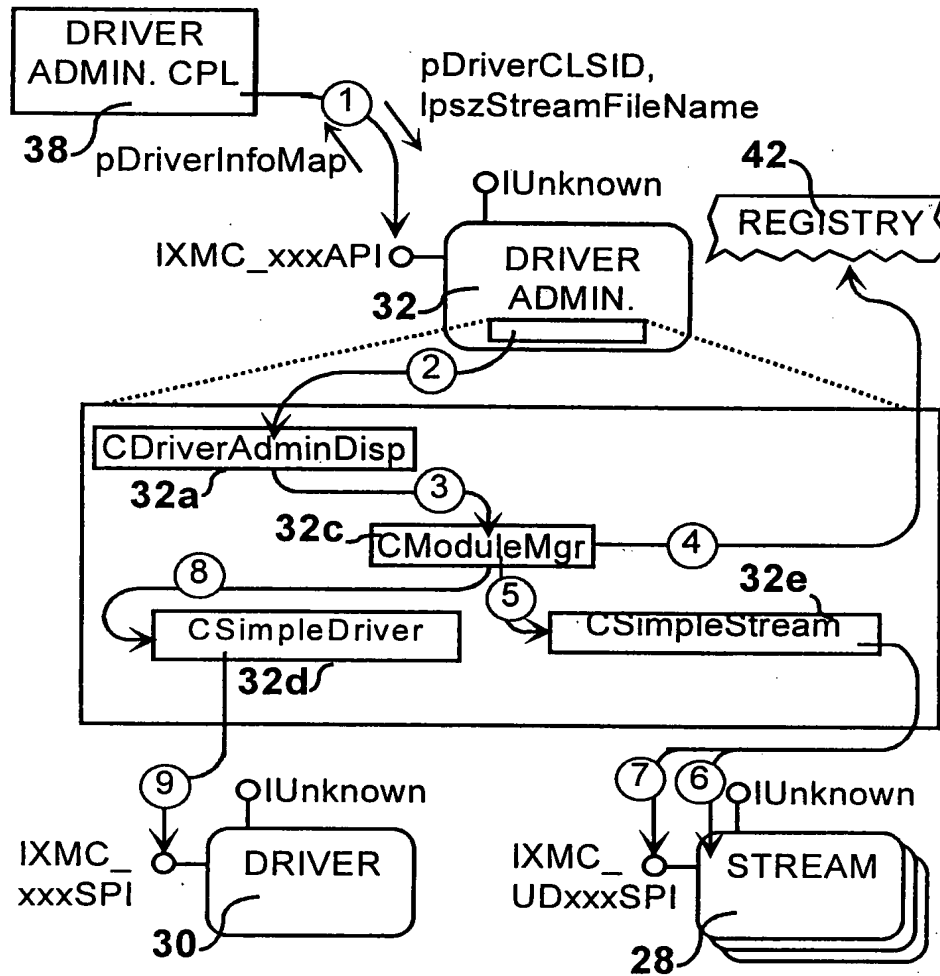
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FIG. 42 Scenario-Map - Initialization

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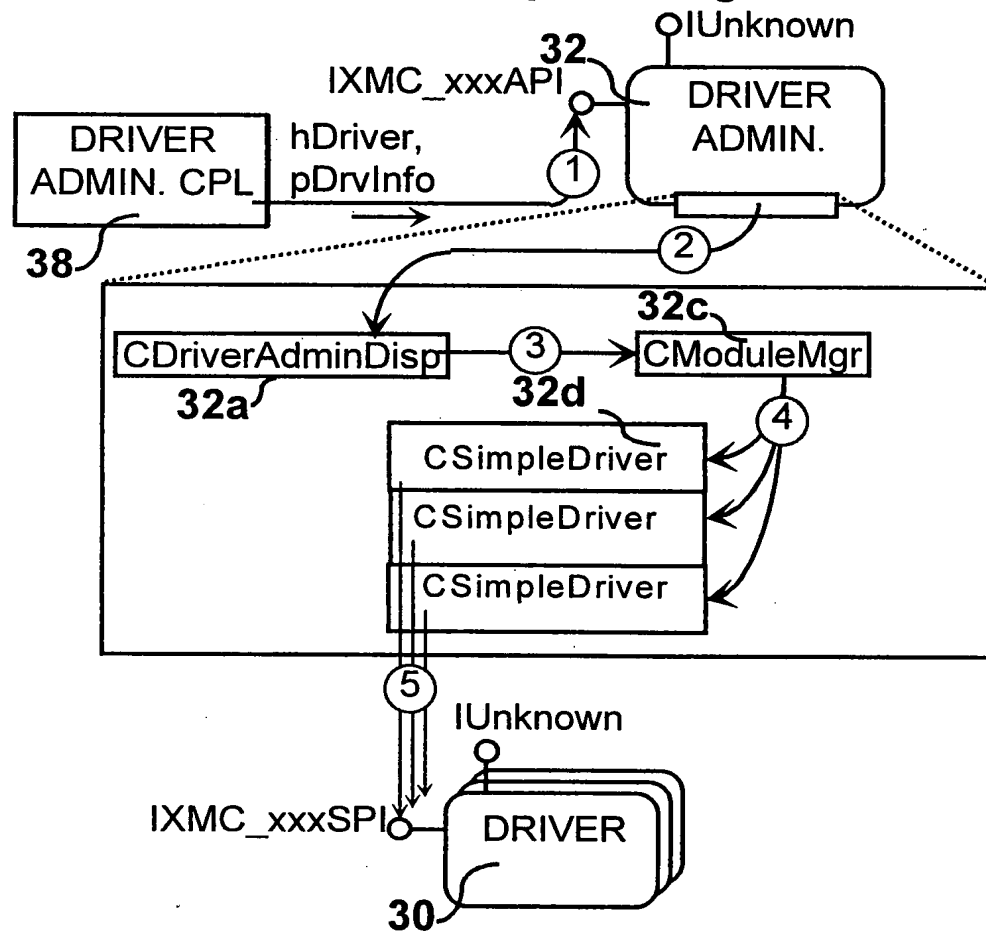
FIG. 43 Scenario-Map - Registering a Driver

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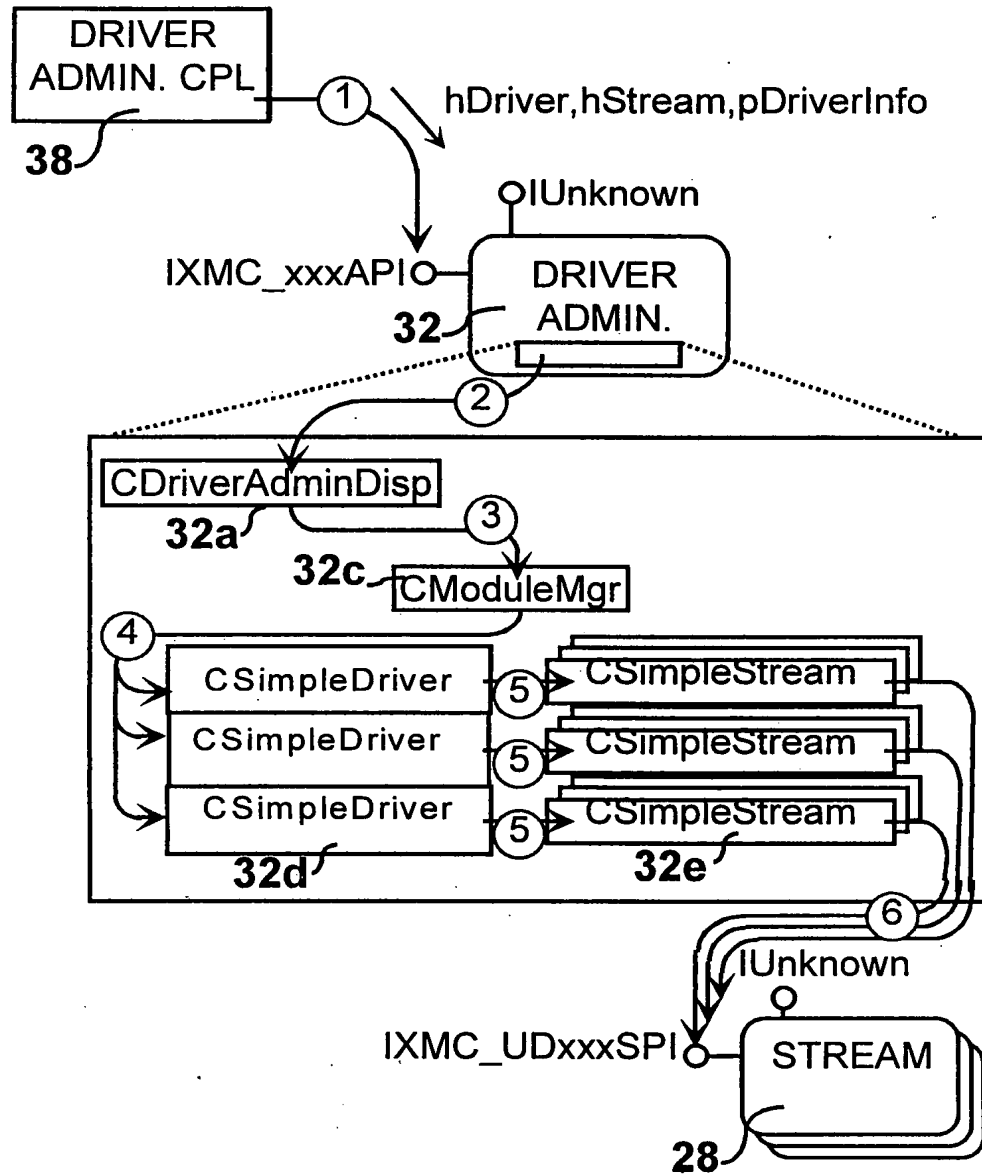
FIG. 44 Scenario-Map - Registering a Stream

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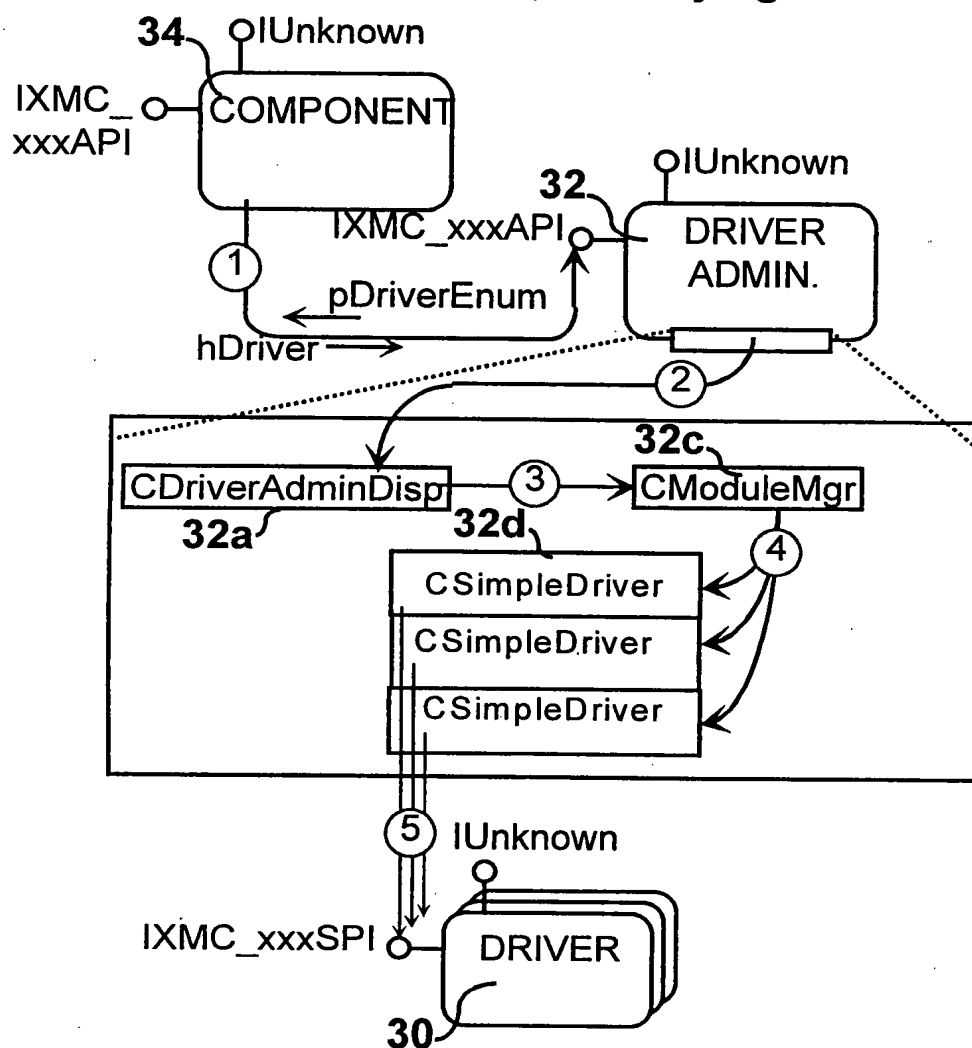
FIG. 45 Scenario-Map - Setting Driver Info.



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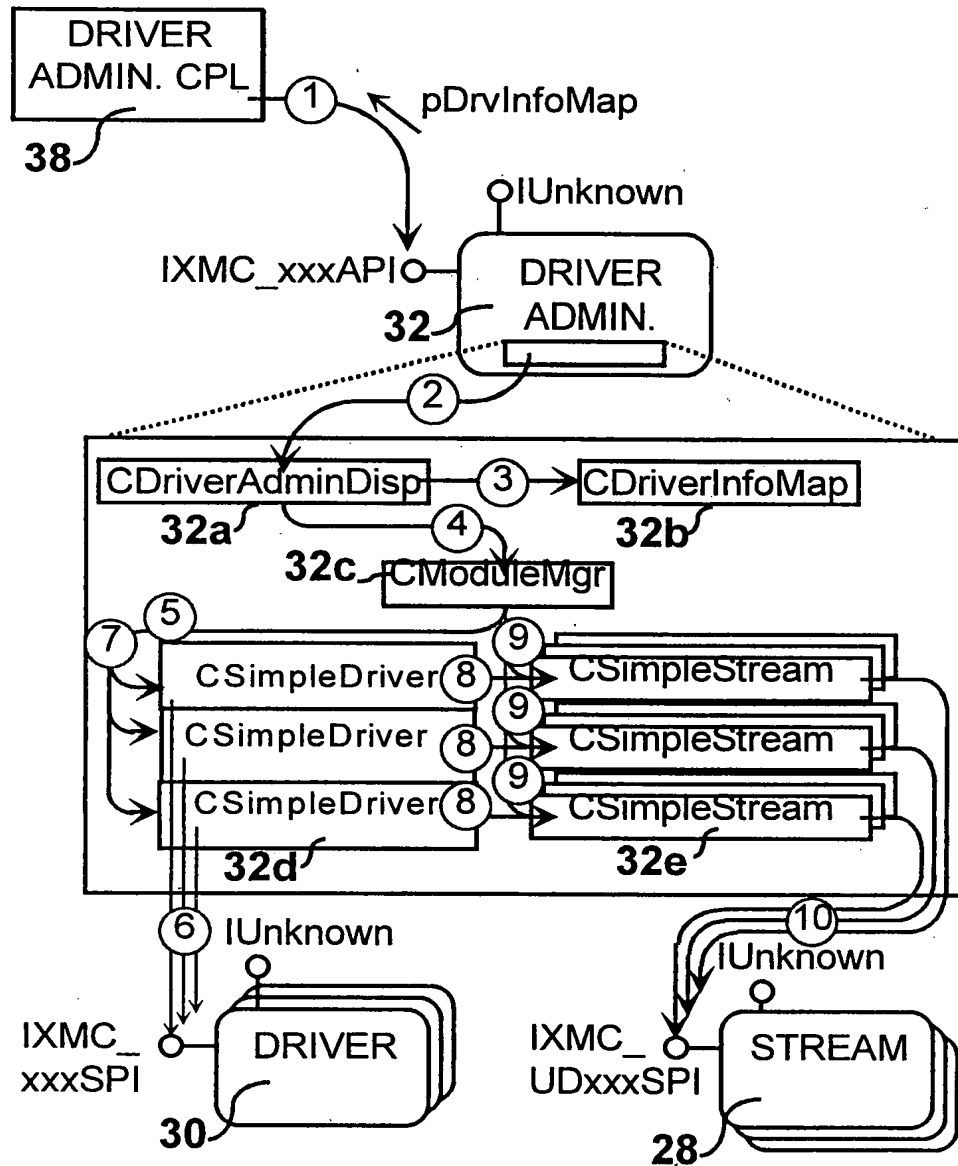
FIG. 46 Scenario-Map - Setting Stream Info.

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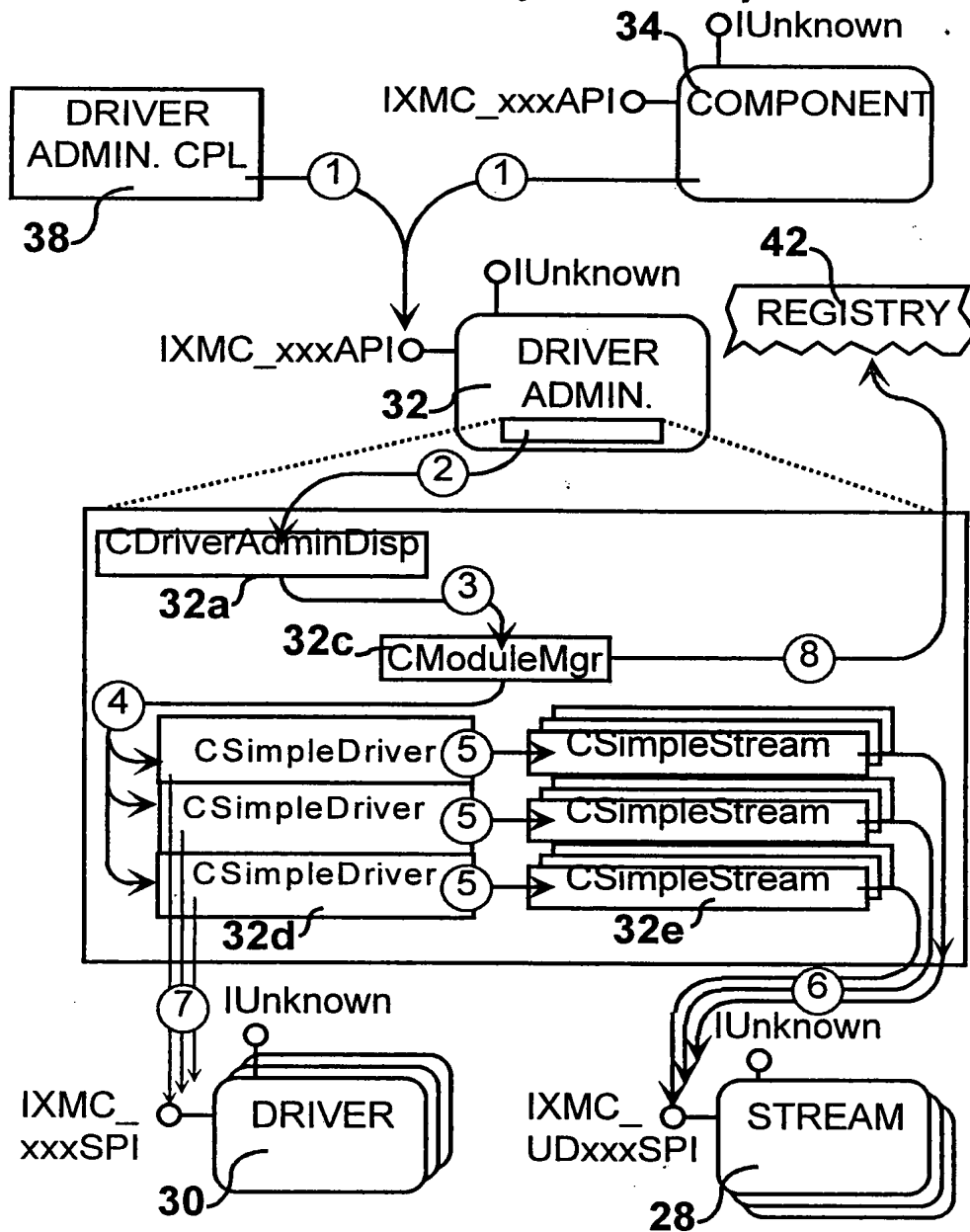
FIG. 47 Scenario-Map - Querying Driver Enum.

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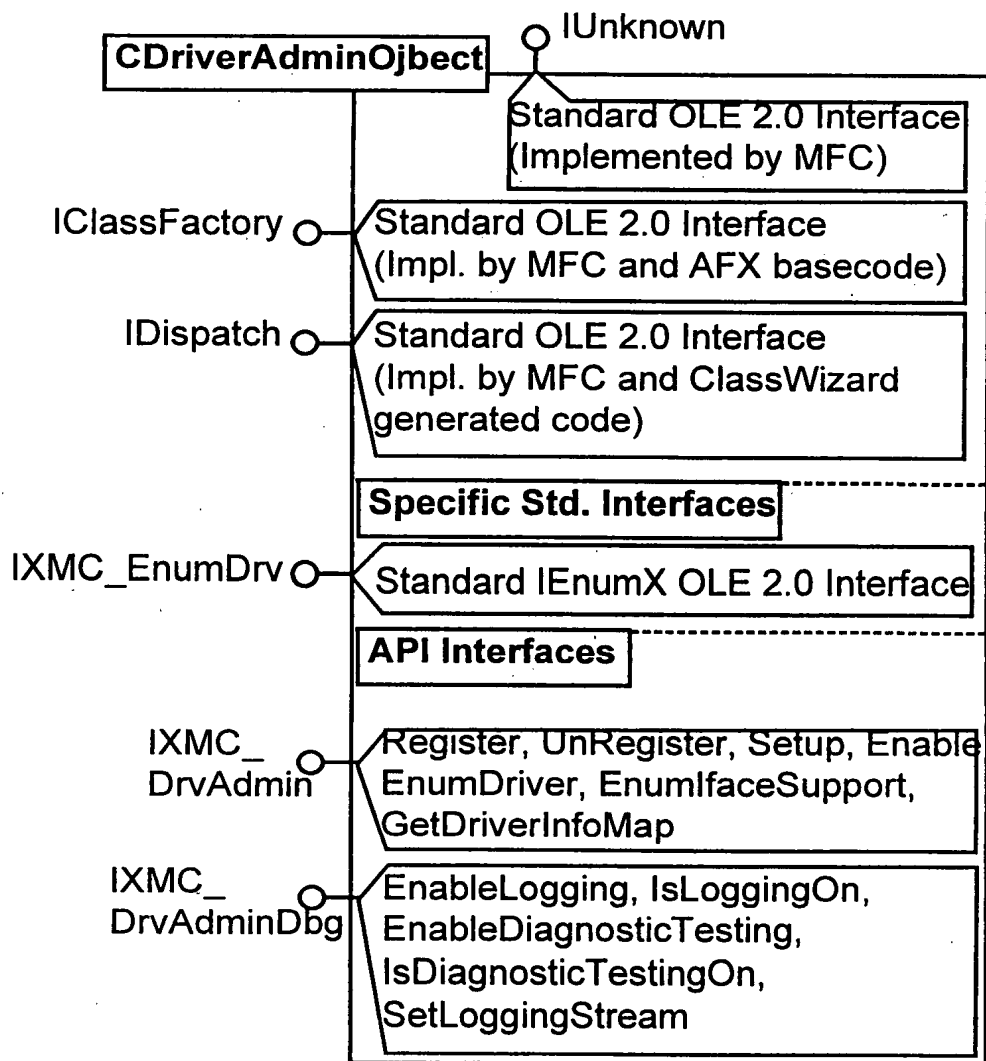
FIG. 48 Scenario-Map - Querying Drv Info. Map



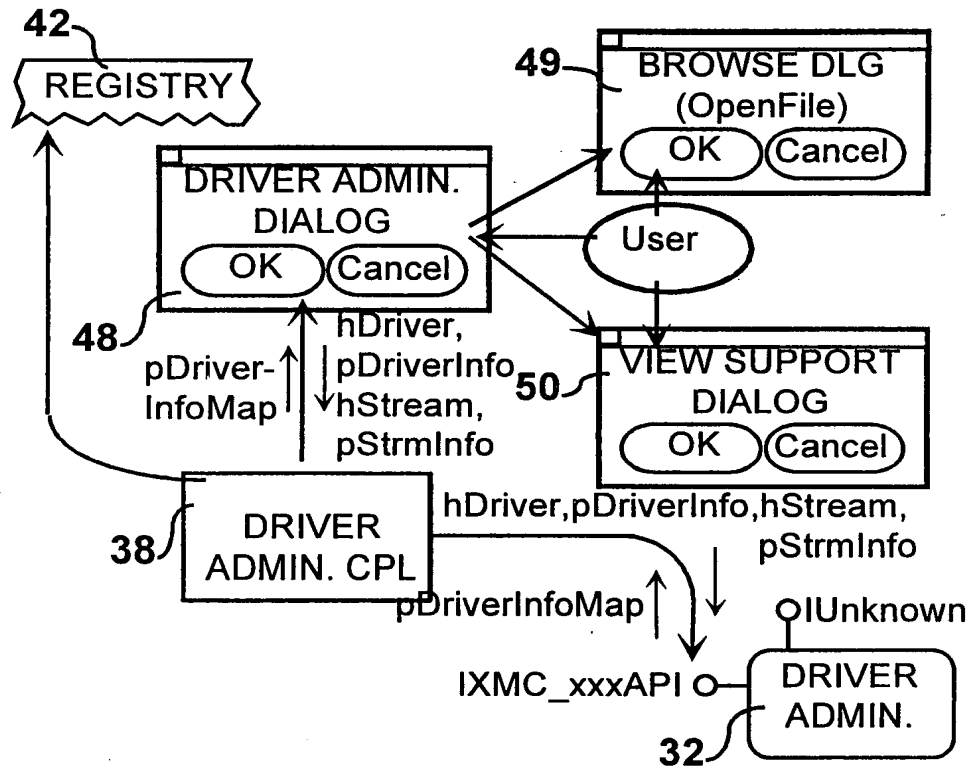
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FIG. 49 Scenario-Map - Clean-up

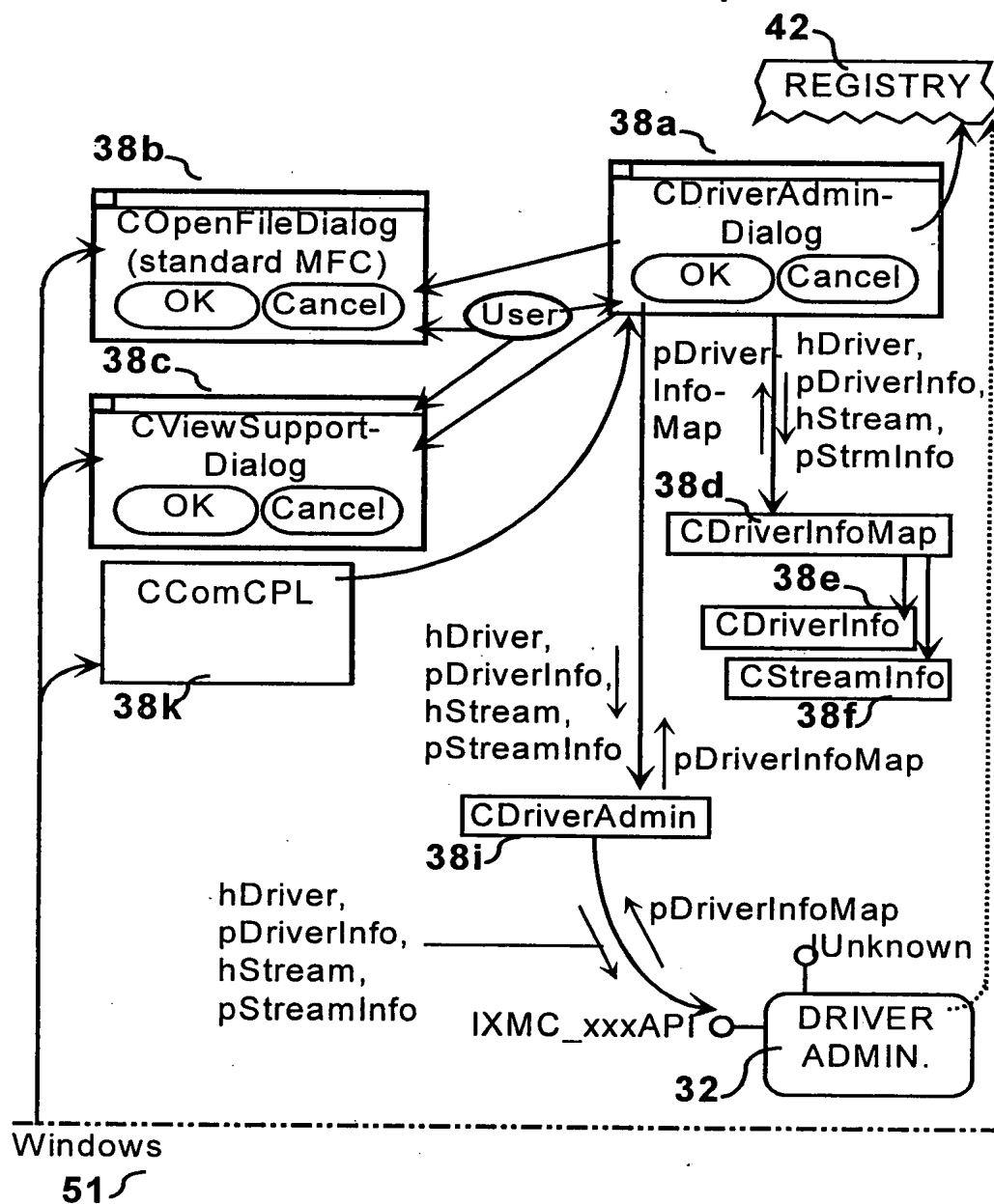
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FIG. 50 Interface-Map.

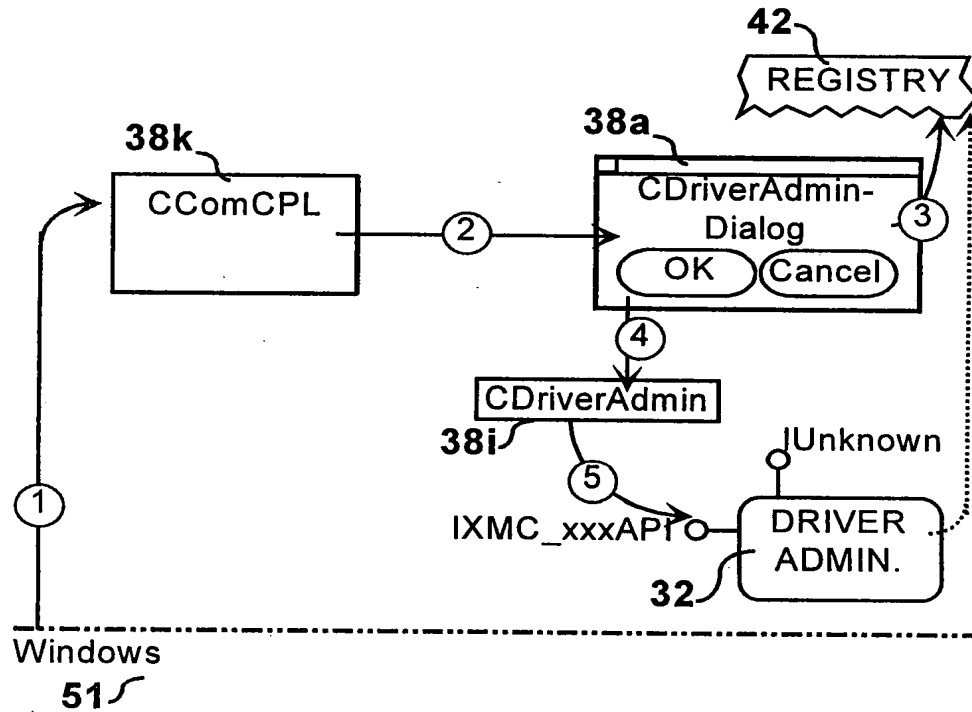
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FIG. 51 Module Interaction-Map

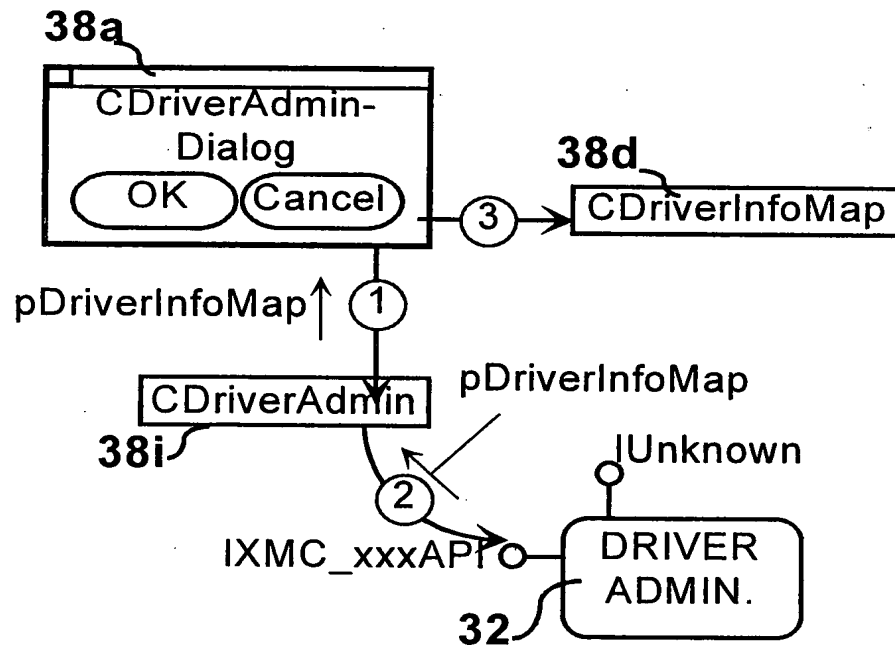
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FIG. 52 Object Interaction-Map

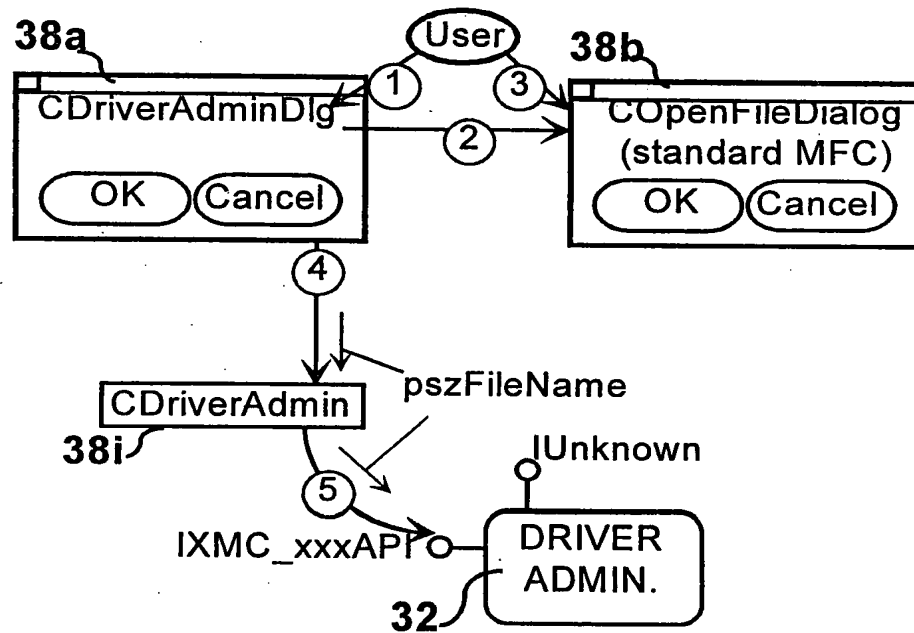
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FIG. 53 Scenario-Map - Initializing the App.

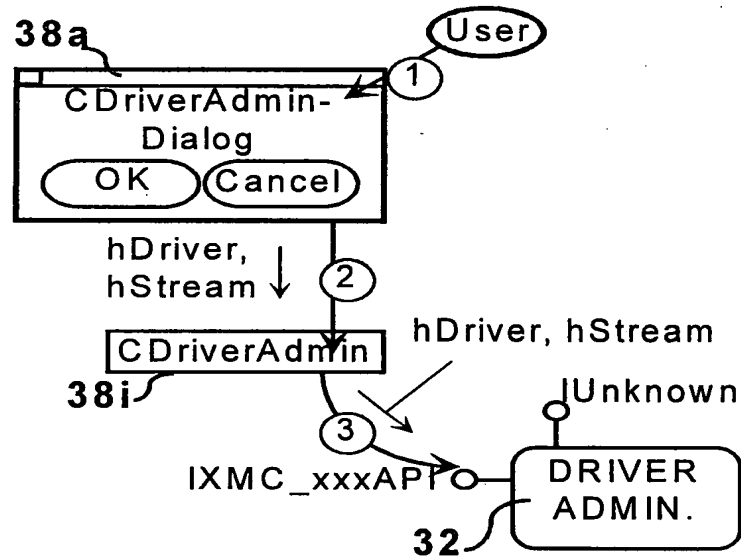
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FIG. 54 Scenario-Map - Main Dialog Init.

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FIG. 55 Scenario-Map - Adding a Driver

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FIG. 56 Scenario-Map - Removing a Driver**FIG. 57** Scenario-Map - View Support